

# Tip – Top Optical Fiber Optic & Telecom Company



## CALIBRATION, DIMENSIONAL MEASUREMENT AND TESTING CENTER





**Kimtech Communications Co.,Ltd. Founded in 2006,**  
**we are specializing in field of Communications.**

We are leading marketer and distributor of test and measurement systems including Fiber Optic accessories and various accessories are accepted and famous from Korea, USA and China. In addition, sales and installation of LAN / WAN / Network / CCTV including product groups of IT and Wireless LAN from Singapore.

**บริษัท คิมเทค คอมมิวนิเคชั่น จำกัด ก่อตั้งเมื่อปี พ.ศ. 2549**

**เราเป็นผู้เชี่ยวชาญด้านอุปกรณ์การสื่อสารต่างๆ**

เราเป็นผู้ทำตลาดและจัดจำหน่ายสินค้าด้านเครื่องมือวัดและทดสอบของระบบสื่อสารต่าง ๆ โดยเฉพาะ เครื่องมือวัดและทดสอบด้านระบบ Fiber Optic รวมถึงอุปกรณ์ Accessories ต่าง ๆ เป็นที่ยอมรับและมีชื่อเสียง จากประเทศเกาหลี อเมริกา และ จีน ทั้งยังจำหน่ายพร้อมติดตั้งระบบ LAN/WAN/Network จากประเทศ อเมริกา รวมถึงกลุ่มสินค้าด้าน IT, Wireless LAN จากประเทศสิงคโปร์

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A background of numerous white fiber optic cables radiating from a central point, creating a starburst effect.

# *FIBER OPTIC EQUIPEMENT*





**Warranty 1 year**

**AtomO**  
WAVE

### AFS-40 Cladding Alignment Fusion Splicer

- Application : SMF, MMF, DSF, NZDSF
- Splice Time : Typical 12 sec , Fast Mode 8 sec.
- Heating time : 16 sec. (60mm, 30mm)
- Electrode life 4,000 cores or more
- Durable Battery Power : over 220 time splicing and shrinking
- Full cover LED working illumination
- Full touch screen GUI 4 inch
- Auto compensation function for various environment



**Warranty 2 years**

**AtomO**  
WAVE

### AFS-60 High precision Core Alignment Splicer

- Application : SMF, MMF, DSF, NZDSF
- Splice Time : Fast Mode 8 sec.
- Heating time : 10 sec.(60 sleeve, Preheat mode), 16 sec(60mm)
- Electrode life : more than 5,000 cores
- Durable Battery Power : over 220 time splicing and shrinking
- Brightest dual working lamp
- High resolution full touch screen 4.3 inch
- ACA (Atomo wave Core Analysis system)



**Warranty 2 years**

  
COMMUNICATIONS

### KIM-H5 Core Alignment Fusion Splicer

- Application : SMF, MMF, DSF, NZDSF
- Splice Time : Ultra fast splicing 5 sec.
- Heating time : Super heater 12 sec. High-efficient working
- Electrode life : more than 5,000 cores
- Large capacity battery for 12 hours ( over 240 splice & heat cycles )
- Windproof, waterproof, dustproof, Anti-shock
- Low Loss, Stable Performance
- Auto-calibrated ARC discharge, easy to be maintained

## Optical Fusion Splicer



**Warranty 3 years**



### KIM-A6 Core to Core Alignment Fusion Splicer

- Application : SMF, MMF, DSF, NZDSF
- Splice Time : Fast splicing 7 sec.
- Heating time : V-groove Fast heating 16 sec.
- Electrode life : 3,500 times, up to 4,500 times (calibration)
- Lithium battery work more than 280 times
- Strengthen shockproof, waterproof, dustproof, wind resistance
- Low power consumption design with long time work
- Monitor 5 inches colorized LCD



**Warranty 2 years**



### KIM-A4 Cladding Alignment Fusion Splicer

- Application : SMF, MMF, DSF, NZDSF
- Splice Time : Fast splicing 9 sec.
- Heating time : V-groove Fast heating 18 sec.
- Electrode life : 3,500 times, up to 4,000 times (calibration)
- Lithium battery work more than 280 times
- Strengthen shockproof, waterproof, dustproof, wind resistance
- Low power consumption design with long time work
- Display 5 inches screen resistance of high strength impact



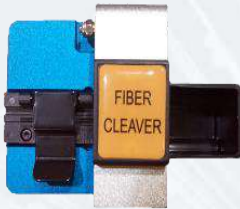
**Warranty 1 year**



### KIM-A2 Cladding Alignment Fusion Splicer

- Application : SMF, MMF, DSF, NZDSF
- Splice Time : Fast splicing 9 sec.
- Heating time : V-groove Fast heating 23 sec.
- Electrode life : 3,500 times, up to 4,000 times (calibration)
- Lithium battery work more than 230 times
- Strengthen shockproof, waterproof, dustproof, wind resistance
- Low power consumption design with long time work
- Display 5 inches screen resistance of high strength impact





**Warranty 1 year**

### KTC-19 Fiber Cleaver

- Applicable Fiber : Quartz fiber
- Cutting angle : Less than 0.5 (single fiber)
- Cutting length : 13mm
- Blade cutting life : Typical 25,000 fibers
- Simple drop down trash can
- Auto Slide back blade support Simple and accurate operation



**Warranty 1 year**

### SCT-A05 High Precision Cleaver

- Applicable Fiber : Silica optical fiber
- Cutting angle : Less than 0.5 (single fiber)
- Cutting length : 8mm to 20mm
- Blade cutting life : Typical 48,000 fibers
- Simple drop down trash can
- Auto Slide back blade support Simple and accurate operation



**Warranty 1 year**

### Fujikura CT08 High Precision Cleaver

- Applicable Fiber : Glass optical fiber
- Cutting angle : 0.5 (single fiber)
- Cutting length : 5mm to 20mm
- Blade cutting life : Typical 48,000 fibers
- Easy fiber placing by lever opening wide
- Replacement of fiber clamps and cleaving blade by user



**Warranty 1 year**



### Fujikura CT-05 High Precision Cleaver

- Applicable Fiber : Conventional Silica Optical Fiber
- Cutting length : 10mm with fiber holder
- Blade cutting life : Typical 48,000 fibers
- Dedicated for single fiber cleaving
- Simple and single-step operation
- Compact and light weight
- Equipped with fiber scrap collector



**Warranty 1 year**



### S326 High Precision Cleaver

- Applicable Fiber : All Fiber Types
- Cutting angle : 0.5 (single fiber)
- Cutting length : 5mm to 20mm (single fiber), 10mm (ribbon fiber)
- Blade cutting life : Typical 48,000 fibers
- Simple operation , Cleave anywhere , Easy fiber loading
- Durable and reliable design , Wide lid opening
- Light weight , High capacity waste bin



## Splicer's Accessories



### Mechanical Splice

- Single mode
- Multi mode



### Fast Connector

- Single mode
- Multi mode



### Kimtech Splice Tray

- Max capacity per splice tray : 12 core



### Protection Sleeve

- Available model – 60mm



### Electrode for fusion splicer

- Available model / Brand
  - S178 / S1153A / S177A
  - E-37
  - E-39
  - E-40
  - E-50 for "INNO" / "Atomo"
  - Electrode 50/60SA Fujikura 50/ 60/70/80S
  - Electrode for "Sumitomo" / "Kim-H5"



### Blade for Cleaver

- Available model / Brand
  - CT-30
  - CT-06
  - S321
  - VF-78 / VF-15H
  - KIMTECH Cleaver



## Optical Time Domain Reflectometer



### KIM-8000 OTDR



**Warranty 1 year**

- Application : SM / MM / SM&MM
- Wavelength : 850/1300nm , 1310/1550nm , 1310/1490/1550nm , 1310/1550/1625nm , 850/1300/1310/1550nm
- Dynamic range : 32/30dB ( standard )
- Multifunctional test – high configuration OTDR with OPM/OLS/VFL
- 1.5 meter drop test / Automatic data storage
- 20 hours Super long standby with AC adapter 110-220 VAC power adapter
- 7 inches color touch screen TFTLCD display
- Available Model ; 8000-A / 8000-B / 8000-C / 8000-D / 8000-E  
8000-T1 / 8000-T2 / 8000-M1 / 8000-C-M1



### VIEW-500 OTDR



**Warranty 3 year**

- Application : SM
- Wavelength : 1310/1550nm
- Dynamic range : 35/33dB
- Built-In VFL / Light source and OPM
- 8GB Internal Storage with Internal SD card & External USB Memory
- 20 hours Super long standby with AC adapter 110-220 VAC power adapter
- 7 inches color touch screen with smart GUI display, high brightness



### FlexScan OTDR with Smart Auto



**Warranty 1 year**

- Application : SM
- Wavelength : 1310/1550nm , 1310/1550/1625 , 1310/1550/1650 , 850/1300/1310/1550nm
- Dynamic range : 32/30dB , 37/36dB , 37/36/37dB , 29/29/37/36dB
- Fast accurate Smart auto OTDR network characterization or fault location
- Easy to understand LinkMap result with pass/fail indications
- Bluetooth and Wi-Fi communications / • 12-hour Telcodia battery operation
- 4.3 inches color touch screen LCD, 480x272, backlit display
- Available Model ; FS200 / FS300



## Optical Time Domain Reflectometer



**Warranty 1 year**



### FHO5000 series OTDR

- Application : SM / MM / SM&MM
- Wavelength : 850/1300nm , 1310/1550nm , 1310/1490/1550nm , 1310/1550/1625nm, 1310/1550/1650nm , 1310/1490/1550/1625nm
- Dynamic range : 32/30dB ( standard )
- OTDR with OPM/OLS/VFL
- Integrated design, smart and rugged
- IP65 protection level, outdoor enhanced / 12 hours operating time
- 7 inches anti-reflection LCD screen
- Available Model ; 5000-D26 / 5000-D32 / 5000-D35 / 5000-T40F



**Warranty 1 year**



### FHO3000 series OTDR

- Application : SM
- Wavelength : 1310/1550nm
- Dynamic range : 26/24dB , 35/33dB
- Built-In VFL / Light source and OPM
- Simple Interface and one-button testing
- 6 hours operating time
- 5 inches HD touch screen
- Available Model ; 3000-D26 / 3000-D35



**Warranty 1 year**



### FHO1000 Hand – help OTDR

- Application : SMF
- Wavelength : 1310/1550nm
- Dynamic range : 28/26dB ( standard )
- Multi function integration, support 10mw VFL, stable OLS / OPM
- Easy to understand LinkMap result with pass/fail indications
- Bluetooth connection of mobile phone supports fast transmission of test files to mobile phone
- 6 -10 hour Telcodia battery operation
- 3.5 inches color LCD, portable design and easy to carry



**Warranty 1 year**

### TUCSON

#### TC-288A OTDR

- Application : SM&MM
- Wavelength : 850/1300nm , 1310/1550nm , 1310/1490/1550nm , 1310/1550/1625nm, 1310/1550/1650nm , 850/1300/1310/1550nm
- Dynamic range : 32/30dB ( standard ) , 35/33dB
- OTDR with OPM/OLS/VFL
- Integrated design, smart and rugged
- Warning function could prevent OTDR damaged from optical signal
- 12 hours operating time
- 7 inches capacitive touch screen

### TUCSON

#### TC-270 Smart OTDR



**Warranty 1 year**

- Application : SM
- Wavelength : 1310/1550nm
- Dynamic range : 22/20dB
- Built-In VFL / Light source and OPM
- Light weight, portable and cost-effective
- 6 hours operating time
- 5 inches HD touch screen
- Suitable for engineer construction and maintenance fault location of FTTX

## Optical Time Domain Reflectometer



**Warranty 1 year**

### 980EXP-A26 All-in-One Optical Network Tester

- Auto OTDR / Expert OTDR
- Wavelength : 1625nm
- Dynamic range : 26dB
- Built-In VFL / Light source and OPM
- Rj45 Cable Tracking
- Rj45 Cable Sequence
- Rj45 Cable Length
- 8 hours operating time
- 4.3 inch touch-sensitive IPS TFT Screen, 800x480 Resolution
- High precision , Android UI, Ultra-short Event dead zone for any cable testing situations

## Optical Fiber Ranger



**Warranty 1 year**

### Optical Fiber Ranger (KIMTECH)

- Application : 9/125um SM Fiber
- Wavelength : 1550nm (1310nm Optional)
- Connector : FC/PC
- Battery operating time : more than 5000 measurements
- Reliable and repeatable One-button operation
- The test result at a glance; integrated visual fault location system can be easily detected within the blind spot
- No complex set up
- Suitable for long term field operations



### C880 Certification Optical Loss Test Kit



- Inspection capable with the DFS1 Digital Fiber Scope
- Integrated, OPM, OLS and VFL (650nm)
- OLS sources : LED-850/1300 nm; Laser – 1310/1550nm
- Dual-wavelength certification Pass/Fail
- Two Fiber bi-directional and single fiber testing
- More than 8 hours battery life or AC power
- Touch and test user interface
- TRM reporting software



### SMLP5-5 Single-mode/Multimode Loss Test Kit



- Wave ID reduces test time
- N.I.S.T traceable / OLS4 Quad Light Source
- Industry standard 2 kHz test Tone / 50  $\mu$ m and 62.5  $\mu$ m mandrels
- OPM5-2D Optical Power Meter
- Storage capability >500 fibers
- Apply certification rules to test results
- TRM™ PC Reporting Tool (Windows® compatible)



### SLP5-6D Single-mode Loss Test Kit with Data Storage



- Wave ID (auto identification and switching) / 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone
- Power measurements in dBm or  $\mu$ W; insertion loss in dB
- File management system organizes stored test data (OPM5-4D)
- Storage capability > 500 fibers (OPM5-4D)
- Long battery life with 2 AA alkaline, optional AC adapter
- Hand-held, rugged, lightweight / N.I.S.T traceable
- Dual or single Wave ID, CW, Tone / Adjustable output
- Reference power level storage
- Low battery indicator / Cost-effective, easy-to-use



### FOCIS Wi-Fi Fiber Optic Connector Inspection System



- Automatic analysis of fiber connector integrity
- IEC 61300-3-35, AT&T TP-76461 and user-defined pass/fail criteria
- Full pass/fail analysis in less than 1 second
- Comprehensive reporting, saving and sharing capabilities via mobile device email, text and web browser
- Free Smartphone and Tablet applications
- Compatible with iPhone and iPad (iOS7)
- Compatible with Android™ 2.3.3 and up



### FOCIS Flex Fiber Optic Connector Inspection System



- Auto-focus and auto-centering for fast, easy inspection
- Un-tethered operation simplifies access at patch panels
- Pass/fail analysis using IEC 61300-3-35 or user-defined criteria
- Use independently, or Bluetooth pair with FlexTester OTDR
- Save results internally and upload via Bluetooth or USB
- Ergonomic design fits in the palm of your hand
- Self-contained, compact, handheld inspection solution



### FOCIS Pro Fiber Optic Connector Inspection System



- Automatic Analysis of fiber end-face
- Built-in IEC 61300-3-35, AT&T-TP-76461 and user-defined limits
- 1.3  $\mu\text{m}$ /pixel analysis resolution
- 0.5  $\mu\text{m}$  visual detection capability
- 1.0  $\mu\text{m}$  optical system resolution
- 400  $\mu\text{m}$  x 350  $\mu\text{m}$  field of view
- Paired fiber images for comparing before/after, input/output, etc.
- Integrated focus and snapshot controls
- Capture, save, review and share images

### AFL

#### FOCIS Fiber Optic Connector Inspection System



- 0.5  $\mu\text{m}$  detection capability
- 1.0  $\mu\text{m}$  optical resolution
- 400  $\mu\text{m}$  x 350  $\mu\text{m}$  field of view
- Paired fiber images for comparing before/after, input/output, etc.
- Integrated focus and snapshot controls
- Capture, save, review and share images
- 1000 image files storage capacity

### AFL

#### DFS1 Digital Fiber Scope



- Ergonomic, hand-held design / • 400x magnification
- Video output via USB port to M210, M200, M700, C840, C850, C860, C880 or user PC
- Powered from USB; no batteries required
- Extensive assortment of interchangeable fiber connector and bulkhead adapter tips
- Use AFL Simple View PC software with DFS1 to inspect connectors using a laptop PC

### AFL

#### VS300 View Safe Video Microscope



- Safety: The VS300 has no optical path to the user's eye
- Ergonomic: Comfortable molded easy grip case
- 2.5 mm Universal adapter included (accepts FC, ST, FC, etc.)
- View PC and angled connector types including MPO/MTP
- NTSC video output

### AFL

#### VS300 Optical Microscope



- Laser safety filter installed
- 200x image size
- 2.5 mm Universal connector included
- Long battery life with 2 x AA alkaline
- Rugged, hand-held, easy-to-use





**Warranty 1 year**



### KTC-15 Power Meter

- Wavelength Range : 800 to 1700
- Calibrated Wavelength : 850/1300/1310/1490/1550/1625nm
- Connector : FC/SC - APC
- Intergrades the hand held OPM and the intelligent OPM in one unit
- Absolute power measurement and relative measurement of the link loss in dB
- High precision and brand new user automatic calibration function
- High performance in application makes it an ideal tool for optical fiber network
- 6-10 hours operating time



**Warranty 1 year**



### FHP1A02 Power Meter

- Wavelength Range : 800 to 1700
- Calibrated Wavelength : 850/1300/1310/1490/1550/1625nm
- Connector : FC/PC, SC/PC, ST/PC Universal
- Designed for use with OLS for performing optical loss measurement on fiber
- Can meet the basic demand in real testing
- Small size , easy to carry
- 6-10 hours operating time



**Warranty 1 year**



### ST800K-A Power Meter

- Wavelength Range : 800 to 1700
- Calibrated Wavelength : 850/1300/1310/1490/1550/1625nm
- Connector : FC, ST, SC, or FC, ST, SC, LC
- Hand held, large LCD backlight display, easy to use
- Use for linearity and non-linearity test and can display both direct and relative test
- Auto off function
- 6-10 hours operating time



**Warranty 1 year**



### KTC-16 Light Source

- Application : SM&MM
- Wavelength : 850/1300nm for MM , 1310/1550nm for SM
- Output Power :  $\geq -7$  dBm
- Connector : FC/SC (APC)
- Use with OPM (KTC-15) combine the accurate test solution for optical fiber network
- 45 hours operating time



**Warranty 1 year**



### FHP-1D02 Laser Source

- Application : SM
- Wavelength : 1310/1550nm
- Output Power :  $\geq -5$  dBm
- Connector : FC/SC (APC)
- Offer excellent stability and portability for accurate fiber optic testing
- Single output port provides stable laser power at dual wavelength
- The compact unit operates in either continuous wave (CW) mode or modulated mode



**Warranty 1 year**

### SEXTER

#### ST800K Laser Source

- Application : SM
- Wavelength : 1310/1550nm
- Output Power :  $\geq -7, -0$  dBm
- Continuous light, modulated light output
- Output three or four wavelength through double tie-in
- Auto 10 minutes off function / Auto close back light in 8sec.



**Warranty 1 year**

### AFL

#### CSS1-SM Contractor Series Dual Laser Light Source

- Application : SM
- Wavelength : 1310/1550nm
- Output Power :  $\geq 0.0$ dBm into 9/125fiber
- Dual wavelengths from a single port
- Cost – effective, easy to use
- Automatic power off function
- Long battery life with AA alkaline

## Optical PON Power Meter



**Warranty 1 year**

### KTC-14 PON Power Meter

- Wavelength : 1310nm, 1490nm, 1550nm
- Use in burst mode measurement of 1310nm upstream
- Connector : FC/SC Interchangeable
- User self-calibration can be retrieved in computer through the software
- 10 minutes auto-off function can activated or deactivated with keypad
- Offers up to 10 different threshold seta in total



**Warranty 1 year**

### FHP-2P01 PON Power Meter

- Wavelength : 1310nm, 1490nm, 1550nm
- Connector : SC (APC)
- Two testing ports with ONU & OLT/Video
- Design for Networks of APON, BPON, EPON and GPON
- Huge data storage capability : 900 test results for storage
- Threshold programmable
- Handheld, easy to carry and use



**Warranty 1 year**

### PPM-50 PON Power Meter

- Wavelength : 1310nm, 1490nm, 1550nm
- Specially design for FTTx/PON (B/E/G) applications
- Connector : FC/PC Interchangeable to ST , SC
- Easy operation : Connect fiber and get results
- Pass-through test : Applicable anywhere on PON
- Pass/Warming/Fail assessment on PPM-50 unit
- Cable/Fiber ID editing





### OPM4-FTTx PON Power Meter

- Wavelength : 1310nm, 1490nm, 1550nm
- Connector : APC, UPC
- Suitable for all PON network (APON, BPON, GPON, EPON)
- Integrated VFL
- Dual-wavelength, sunlight readable LCD display
- N.I.S.T traceable
- Auto power off, auto backlight off

**Warranty 1 year**



### FHP-2P01 PON Power Meter

- Wavelength : 1310nm, 1490nm, 1550nm
- Connector : SC (APC)
- Suitable for all PON network (APON, BPON, GPON, EPON)
- Cost efficient palm size designed for field and lab testing
- Set threshold value, upload data, and calibrate wavelength through management software
- 32 digits CPU, easy to operate, simple and convenient
- Auto power off, auto backlight off, low voltage power off

**Warranty 1 year**



### **SEXTER**

#### ST816 Visual Fault Locator

- Support CW and 2Hz modulation work mode
- Solid : use special laser and design to avoid damage when dropping on the floor
- Long working hours: use effective laser drive circuit to ensure 1mW/650nm locator can work more than 60 hours continuously
- Stable power output: use special laser driver circuit, which can ensure stable power output in the low battery
- 2.5mm universal adapter : use 2.5mm universal adapter, can match SC/LC adapters

**Warranty 1 year**



### **FAFL**

#### FHP-2P01 PON Power Meter

- Visible red laser source, 650 nm
- High power, 1 mW into 9/125 single-mode fiber
- Universal connector interface for quick connection
- 2.5 mm Universal adapter for FC, SC, ST, etc.
- 1.25 mm Universal adapter for LC & MU



#### HiLite Miniature Visual Fault Identifier from AFL

- High power, 1 mW into 9/125 single-mode fiber
- Universal connector interface for quick connection
- 2.5 mm Universal adapter for FC, SC, ST, etc.
- 1.25 mm Universal adapter for LC & MU

**Warranty 1 year**



## Optical Fiber Identifier



**Warranty 1 year**



### KTC-11 Identifier

- Quickly identify the direction of transmitted fiber and display the relative core power without interrupting the current service
- The fiber identifier recognizes modulation 270Hz, 1kHz and 2kHz tone
- There are 4 adapter heads available : Ø0.25, Ø0.9, Ø2.0 and Ø3.0
- Batteries : 2 pcs normal AA / • Easy to carry



**Warranty 1 year**



### ST816B Identifier

- Easy-to-use with “ONE KEY” operation.
- Efficiently identifies the traffic direction and frequency tone (270Hz, 1KHz, 2KHz) with audible warning
- Displays the relative core power
- More accurate test with sunshade
- Durable metal housing and quality construction



**Warranty 1 year**



### OFI-11001C

- Efficiently identifies the traffic direction and frequency tone (270Hz, 1KHz, 2KHz) with audible warning
- Displays the relative core power
- More accurate test with Sunshade
- Easy-to-use with “ONE KEY” operation. , Easy-to-replace adaptors
- Durable metal housing and quality construction
- Lower power indication



**Warranty 1 year**



### OFI-400

- Accepts 250 µm, 900 µm coated fiber, 3 mm jacketed fiber cable, and ribbon fiber
- Low insertion loss – traffic remains uninterrupted
- Indicates Tone signal visually and audibly
- 270Hz, 330Hz, 1 kHz, 2 kHz Tone detection – OFI 400
- Easy to read LCD display with black light
- Measures fiber core relative power

### SC Adaptor (SM/MM), (PC/UPC/APC), (Simplex/Duplex)



### ST Adaptor (SM/MM), (PC/UPC), (Simplex/Duplex)



### FC Adaptor (SM/MM), (PC/UPC/APC), (Simplex/Duplex)



### LC Adaptor (SM/MM), (PC/UPC/APC), (Simplex/Duplex)



### MU Adaptor (SM/MM), (PC/UPC/APC), (Simplex/Duplex)



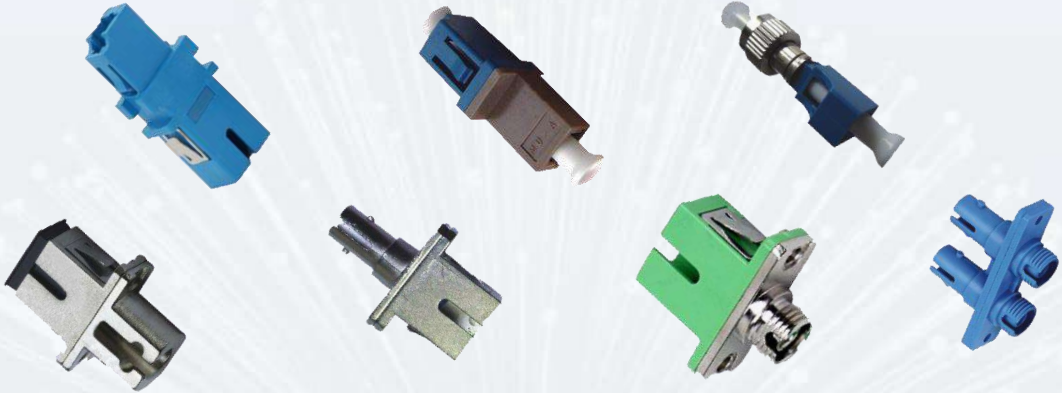
### MTRJ Adaptor (MM)



### E2000 Adaptor (SM/MM), (PC/UPC/APC), (Simplex/Duplex)







### Hybrid Adaptor

FC-SC adaptor (metal)

FC-ST adaptor (metal)

SC-ST adaptor (metal)

FC-SC duplex adaptor (metal)

FC-ST duplex adaptor (metal)

SC-ST duplex adaptor (metal)

FC-SC adaptor (half metal)

SC-ST adaptor (half metal)

FC-SC adaptor (half metal)

FC-ST adaptor (half metal)

SC-ST adaptor (half metal)

SC (male) - FC (female) adaptor

SC (male) - ST (female) adaptor

SC (female) - FC (male) adaptor

ST (female) - FC (male) adaptor

FC/APC (female) - FC/PC  
(male) adaptor

### Hybrid Adaptor

LC-FC adaptor (female to female)

LC (female) - SC (male) adaptor

LC (male) - FC (female) adaptor

LC (male) - SC (female) adaptor

LC (female) - FC (male) adaptor

LC-SC adaptor (female to female)

LC-ST adaptor (female to female)

FC Bare Fiber Adaptor

SC Bare Fiber Adaptor

ST Bare Fiber Adaptor

LC Bare Fiber Adaptor

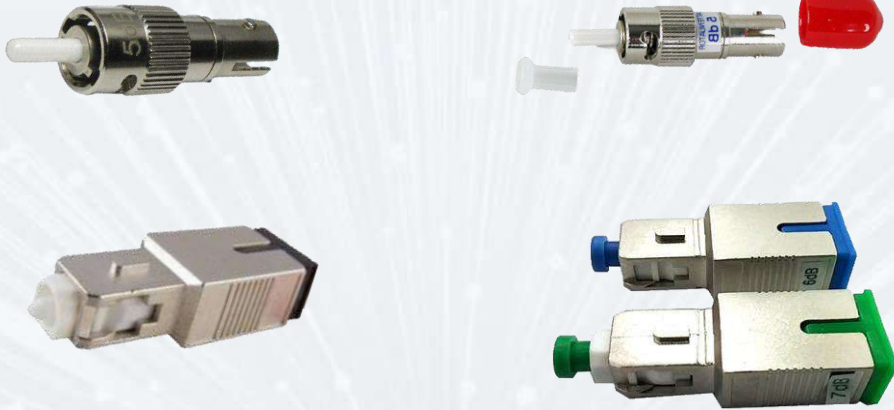
MU-SC adaptor

MU-FC adaptor

MU-SC adaptor

E2000-SC adaptor

E2000-FC adaptor



Connector type	Typical Attenuation Value	Attenuation form
FC/PC	3, 5, 10, 15, 20 dB	Isolation type, Variable type
SC/PC	3, 5, 10, 15, 20 dB	Isolation type
FC/PC-SC/PC	3, 5, 10, 15, 20 dB	Isolation type
LC/PC	3, 5, 10, 15 dB	Isolation type
E2000/PC	3, 5, 10 dB	Isolation type
MU/PC	3, 5, 10 dB	Isolation type

### NOYES®



#### FTTx Wavelength Selective Adapter

- Compatible with SC/UPC or SC/APC connectors, Fits standard NOYES OPM ports, Uses thin-film, band-pass filters at 1490 and 1550 nm, Provides unfiltered position to measure other wavelengths

### NOYES®

#### DFS1 Adapter



##### Hybrid Adaptor

FC/SC-UPC

FC/SC-APC

SC-UPC

SC-APC

SC2-UPC

LC-UPC

LC-APC

E2000-UPC

ST-UPC

MU-UPC

LEMO-UPC

LX.5-UPC

LX.5-APC

##### Hybrid Adaptor

ELIO1.25-UPC

ELIO2.5-UPC

Termini-UPC (2.0 mm)

Termini-UPC (1.6 mm)

Termini-UPC (1.25 mm)

MIL-28876 : MIL-29504 2.0 mm

MIL-38999 : MIL-29504 1.6 mm

TFOCA-II

MTP/MPO-UPC and APC

MTP-UPC

MTP-APC

## Test Port Adaptor



SC OTDR Port Adaptor



ST OTDR Port Adaptor



LC OTDR Port Adaptor



FC OTDR Port Adaptor

**NOYES**<sup>®</sup>

Compatible with FTS2 Talk Sets, M200 Series OTDR Test Ports, M700 Series, OTDR Test Ports, C8x0 Series Optical Source Ports, OFL Series, OTDR Test Port, OLS2-Dual Laser Source, OLS4 Light Source, OLS7 Laser Sources, SVA1 Attenuator



Universal 2.5 mm  
VFL Port Adaptor



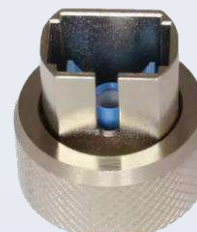
Universal 1.25 mm  
VFL Port Adaptor

**NOYES**<sup>®</sup>

Compatible with M200 Series OTDR Test report



ST OPM Port Adaptor



SC OPM Port Adaptor

**NOYES**<sup>®</sup>

Compatible with FLX380, OFL280, OFL250  
OTDR Test report



## Test Port Adaptor



**FC OPM Port Adaptor**



**LC OPM Port Adaptor**



**Universal 2.5 mm  
OPM Port Adaptor**



**Universal 1.25 mm  
OPM Port Adaptor**



**Universal 2.5 mm  
VFL Port Adaptor**



**Universal 1.25 mm  
VFL Port Adaptor**

**NOYES<sup>®</sup>**

Compatible with FLX380, OFL280, OFL250  
OTDR Test report



# NOYES®

### OPM Port Adaptor

2.5mm Universal (accepts FC, SC, and ST ferrules)

1.25mm Universal (accepts LC and MU ferrules)

FC

SC

ST

LC simplex / duplex

E-2000

MU simplex

2.5mm open universal, accepts SC duplex, optiTAP connector for measuring optical power

MT-RJ (A side only). When used for loss testing, "A side only" adapter verifies system polarity

MT-RJ (A side or B side)

SMA

D4

Biconic

ESCON

FDDI (for OPM port only)

Din 47256

Radial PFO/VFO Adapters for Plastic Optical Fiber (POF)

1000 mm bare fiber (plastic)

HP-HFBR-45XX POF Universal

Angled SC

Angled FC

Angled E-2000

MPX®

MTP®/MPO angled ferrule (8°), typically SM

MTP®/MPO flat ferrule (0°), typically MM

MT Ferrule. Angled ferrule (8°)

MT Ferrule. Flat ferrule (0°)

1.25 mm open Universal

2.5 mm open Universal

SMC 0°

1.6 mm ferrule (pin)

2.0 mm ferrule (pin)

EC (Radiall)



### SC Pigtail

- 9/125um, 0.9mm, APC
- 9/125um, 0.9mm, UPC
- 50/125um, 0.9mm, PC
- 62.5/125um, 0.9mm, PC



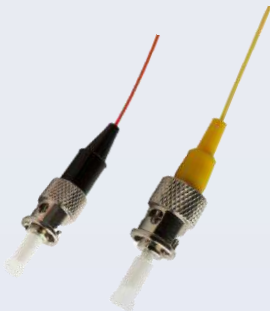
### FC Pigtail

- 9/125um, 0.9mm, APC
- 9/125um, 0.9mm, UPC
- 50/125um, 0.9mm, PC
- 62.5/125um, 0.9mm, PC



### LC Pigtail

- 9/125um, 0.9mm, APC
- 9/125um, 0.9mm, UPC
- 50/125um, 0.9mm, PC
- 62.5/125um, 0.9mm, PC



### ST Pigtail

- 9/125um, 0.9mm, APC
- 9/125um, 0.9mm, UPC
- 50/125um, 0.9mm, PC
- 62.5/125um, 0.9mm, PC



### FC-FC-MM Duplex Patch Cord

- FC-FC, Duplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- FC-FC, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- FC-FC, Duplex, Multimode, 50/125um, 3.0mmPVC, PC
- FC-FC, Duplex, Multimode, 50/125um, 2.0mmPVC, PC



### FC-LC-MM Duplex Patch cord

- FC-LC, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- FC-LC, Duplex, Multimode, 62.5/125um, 3.0mmLSZH, PC
- FC-LC, Duplex, Multimode, 50/125um, 2.0PVC, PC
- FC-LC, Duplex, Multimode, 50/125um, 2.0LSZH, PC



### FC-MTRJ-MM Duplex Patch cord

- FC-MTRJ, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- FC-MTRJ, Duplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- FC-MTRJ, Duplex, Multimode, 50/125um, 2.0mmPVC, PC
- FC-MTRJ, Duplex, Multimode, 50/125um, 2.0mmLSZH, PC



### FC-SC-MM Duplex Patch cord

- FC-SC, Duplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- FC-SC, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- FC-SC, Duplex, Multimode, 50/125um, 3.0mmPVC, PC
- FC-SC, Duplex, Multimode, 50/125um, 2.0mmPVC, PC



### FC-ST-MM Duplex Patch cord

- FC-ST, Duplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- FC-ST, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- FC-ST, Duplex, Multimode, 50/125um, 3.0mmPVC, PC
- FC-ST, Duplex, Multimode, 50/125um, 2.0mmPVC, PC





### LC-LC-MM Duplex Patch cord

- LC-LC, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- LC-LC, Duplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- LC-LC, Duplex, Multimode, 50/125um, 2.0mmPVC, PC
- LC-LC, Duplex, Multimode, 50/125um, 2.0mmLSZH, PC



### LC-MTRJ-MM Duplex Patch cord

- LC-MTRJ, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- LC-MTRJ, Duplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- LC-MTRJ, Duplex, Multimode, 50/125um, 2.0mmPVC, PC
- LC-MTRJ, Duplex, Multimode, 50/125um, 2.0mmLSZH, PC



### LC-SC-MM Duplex Patch cord

- LC-SC, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- LC-SC, Duplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- LC-SC, Duplex, Multimode, 50/125um, 2.0mmPVC, PC
- LC-SC, Duplex, Multimode, 50/125um, 2.0mmLSZH, PC



### LC-ST-MM Duplex Patch cord

- LC-ST, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- LC-ST, Duplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- LC-ST, Duplex, Multimode, 50/125um, 2.0mmPVC, PC
- LC-ST, Duplex, Multimode, 50/125um, 2.0mmLSZH, PC



### MTRJ-ST-MM Duplex Patch cord

- MTRJ-ST, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- MTRJ-ST, Duplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- MTRJ-ST, Duplex, Multimode, 50/125um, 2.0mmPVC, PC
- MTRJ-ST, Duplex, Multimode, 50/125um, 2.0mmLSZH, PC



### MTRJ-MTRJ-MM Duplex Patch cord

- MTRJ-MTRJ, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- MTRJ-MTRJ, Duplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- MTRJ-MTRJ, Duplex, Multimode, 50/125um, 2.0mmPVC, PC
- MTRJ-MTRJ, Duplex, Multimode, 50/125um, 2.0mmLSZH, PC



### MTRJ-SC-MM Duplex Patch cord

- MTRJ-SC, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- MTRJ-SC, Duplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- MTRJ-SC, Duplex, Multimode, 50/125um, 2.0mmPVC, PC
- MTRJ-SC, Duplex, Multimode, 50/125um, 2.0mmLSZH, PC



### ST-ST-MM Duplex Patch cord

- ST-ST, Duplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- ST-ST, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- ST-ST, Duplex, Multimode, 50/125um, 3.0mmPVC, PC
- ST-ST, Duplex, Multimode, 50/125um, 2.0mmPVC, PC



### SC-SC-MM Duplex Patch cord

- SC-SC, Duplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- SC-SC, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- SC-SC, Duplex, Multimode, 50/125um, 3.0mmPVC, PC
- SC-SC, Duplex, Multimode, 50/125um, 2.0mmPVC, PC



### SC-ST-MM Duplex Patch cord

- SC-ST, Duplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- SC-ST, Duplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- SC-ST, Duplex, Multimode, 50/125um, 3.0mmPVC, PC
- SC-ST, Duplex, Multimode, 50/125um, 2.0mmPVC, PC



### FC-FC-MM Simplex Patch cord

- FC-FC, Simplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- FC-FC, Simplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- FC-FC, Simplex, Multimode, 50/125um, 3.0mmPVC, PC
- FC-FC, Simplex, Multimode, 50/125um, 2.0mmPVC, PC



### FC-LC-MM Simplex Patch cord

- FC-LC, Simplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- FC-LC, Simplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- FC-LC, Simplex, Multimode, 50/125um, 2.0mmPVC, PC
- FC-LC, Simplex, Multimode, 50/125um, 2.0mmLSZH, PC



### FC-SC-MM Simplex Patch cord

- FC-SC, Simplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- FC-SC, Simplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- FC-SC, Simplex, Multimode, 50/125um, 3.0mmPVC, PC
- FC-SC, Simplex, Multimode, 50/125um, 2.0mmPVC, PC



### FC-ST-MM Simplex Patch cord

- FC-ST, Simplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- FC-ST, Simplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- FC-ST, Simplex, Multimode, 50/125um, 3.0mmPVC, PC
- FC-ST, Simplex, Multimode, 50/125um, 2.0mmPVC, PC



### LC-LC-MM Simplex Patch cord

- LC-LC, Simplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- LC-LC, Simplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- LC-LC, Simplex, Multimode, 50/125um, 2.0mmPVC, PC
- LC-LC, Simplex, Multimode, 50/125um, 2.0mmLSZH, PC



### LC-SC-MM Simplex Patch cord

- LC-SC, Simplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- LC-SC, Simplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- LC-SC, Simplex, Multimode, 50/125um, 2.0mmPVC, PC
- LC-SC, Simplex, Multimode, 50/125um, 2.0mmLSZH, PC



### LC-ST-MM Simplex Patch cord

- LC-ST, Simplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- LC-ST, Simplex, Multimode, 62.5/125um, 2.0mmLSZH, PC
- LC-ST, Simplex, Multimode, 50/125um, 2.0mmPVC, PC
- LC-ST, Simplex, Multimode, 50/125um, 2.0mmLSZH, PC



### SC-SC-MM Simplex Patch cord

- SC-SC, Simplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- SC-SC, Simplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- SC-SC, Simplex, Multimode, 50/125um, 3.0mmPVC, PC
- SC-SC, Simplex, Multimode, 50/125um, 2.0mmPVC, PC



### SC-ST-MM Simplex Patch cord

- SC-ST, Simplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- SC-ST, Simplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- SC-ST, Simplex, Multimode, 50/125um, 3.0mmPVC, PC
- SC-ST, Simplex, Multimode, 50/125um, 2.0mmPVC, PC



### ST-ST-MM Simplex Patch cord

- ST-ST, Simplex, Multimode, 62.5/125um, 3.0mmPVC, PC
- ST-ST, Simplex, Multimode, 62.5/125um, 2.0mmPVC, PC
- ST-ST, Simplex, Multimode, 50/125um, 3.0mmPVC, PC
- ST-ST, Simplex, Multimode, 50/125um, 2.0mmPVC, PC



### FC/APC-FC/APC-SM Duplex Patch cord

- FC/APC-FC/APC, Duplex, Single mode, 9/125um, 3.0mm, PVC
- FC/APC-FC/APC, Duplex, Single mode, 9/125um, 3.0mm, LSZH



### FC/APC-LC/UPC-SM Duplex Patch cord

- FC/APC-LC/UPC, Duplex, Single mode, 9/125um, 2.0mm, PVC
- FC/APC-LC/UPC, Duplex, Single mode, 9/125um, 2.0mm, LSZH



### FCAPC-SC/UPC-SM Duplex Patch cord

- FC/APC-SC/UPC, Duplex, Single mode, 9/125um, 2.0mm, PVC
- FC/APC-SC/UPC, Duplex, Single mode, 9/125um, 2.0mm, LSZH



### LC/APC-SC/UPC-SM Duplex Patch cord

- LC/APC-SC/UPC, Duplex, Single mode, 9/125um, 2.0mm, PVC
- LC/APC-SC/UPC, Duplex, Single mode, 9/125um, 2.0mm, LSZH



### LC/UPC-SC/APC-SM Duplex Patch cord

- LC/UPC-SC/APC, Duplex, Single mode, 9/125um, 2.0mm, PVC
- LC/UPC-SC/APC, Duplex, Single mode, 9/125um, 2.0mm, LSZH



### SC/APC-SC/APC-SM Duplex Patch cord

- SC/APC-SC/APC, Duplex, Single mode, 9/125um, 3.0mm, PVC
- SC/APC-SC/APC, Duplex, Single mode, 9/125um, 3.0mm, LSZH



### SC/APC-SC/UPC-SM Duplex Patch cord

- SC/APC-SC/UPC, Duplex, Single mode, 9/125um, 3.0mm, PVC
- SC/APC-SC/APC, Duplex, Single mode, 9/125um, 3.0mm, LSZH



### LC/APC-LC/APC-SM Duplex Patch cord

- LC/APC-LC/APC, Simplex, Single mode, 9/125um, 2.0mm, PVC
- LC/APC-LC/APC, Simplex, Single mode, 9/125um, 2.0mm, LSZH



### FC/APC-SC/UPC-SM Simplex Patch cord

- FC/APC-SC/UPC, Simplex, Single mode, 9/125um, 3.0mm, PVC
- FC/APC-SC/UPC, Simplex, Single mode, 9/125um, 3.0mm, LSZH



### LC/APC-LC/APC-SM Simplex Patch cord

- LC/APC-LC/APC, Simplex, Single mode, 9/125um, 2.0mm, PVC
- LC/APC-LC/APC, Simplex, Single mode, 9/125um, 2.0mm, LSZH



### LC/APC-SC/UPC-SM Simplex Patch cord

- LC/APC-SC/UPC, Simplex, Single mode, 9/125um, 2.0mm, PVC
- LC/APC-SC/UPC, Simplex, Single mode, 9/125um, 2.0mm, LSZH



### LC/UPC-SC/APC-SM Simplex Patch cord

- LC/UPC-SC/APC, Simplex, Single mode, 9/125um, 2.0mm, PVC
- LC/UPC-SC/APC, Simplex, Single mode, 9/125um, 2.0mm, LSZH



### SC/APC-SC/APC-APC Simplex Patch cord

- SC/APC-SC/APC, Simplex, Single mode, 9/125um, 2.0mm, PVC
- SC/APC-SC/APC, Simplex, Single mode, 9/125um, 2.0mm, LSZH



### SC/APC-SC/UPC-APC Simplex Patch cord

- SC/APC-SC/UPC, Simplex, Single mode, 9/125um, 2.0mm, PVC
- SC/APC-SC/UPC, Simplex, Single mode, 9/125um, 2.0mm, LSZH



### FC/APC-LC/UPC-APC Simplex Patch cord

- FC/APC-LC/UPC, Simplex, Single mode, 9/125um, 2.0mm, PVC
- FC/APC-LC/UPC, Simplex, Single mode, 9/125um, 2.0mm, LSZH



### FC/APC-FC/APC-APC Simplex Patch cord

- FC/APC-FC/APC, Simplex, Single mode, 9/125um, 3.0mm, PVC
- FC/APC-FC/APC, Simplex, Single mode, 9/125um, 3.0mm, LSZH



### E2000/UPC-E2000/UPC-APC Simplex Patch cord

- E2000/UPC-E2000/UPC, Simplex, Singlemode, 9/125um, 2.0mm, PVC



### E2000/APC-E2000/APC-APC Simplex Patch cord

- E2000/APC-E2000/APC, Simplex, Singlemode, 9/125um, 2.0mm, PVC

### Indoor drop Cable Patch Cord Outdoor Cable

- SC/APC-SC/APC SMF G657A1 Simplex 3.0\*2.0mm LSZH 3M



### Fiber Dummy

- Multimode, 62.5/125um
- Multimode, 50/125um
- Singlemode, 9/125um



### Fiber Optic Cable (SM / MM), (1,000 - 4,000 m)

Outdoor / Indoor	4 – 24 core
Outdoor / Armored	4 – 24 core
Outdoor / Drop wire	4 – 24 core
Outdoor / ADSS	4 – 24 core
Outdoor / Special	2 steel wire armored 4-12 core
	Drop wire armored 4-12 core
	Figure 8 armored 4-12 core
	Figure 8 Multitube 24-96 core
	Figure 8 Multitube armored 24-96 core
	ADSS Multitube Single jacket 24-72 core
	ADSS Multitube Double jacket 24-72 core



## Rack Wall Mount & Aluminum Wall Mount

### 19" Wall Rack



- 19" Wall Mount Rack Design three compartment, front, middle and rear
- Material made of electro galvanized sheet steel 1.2mm.thickness, 100% rust-proof and durable
- The roof of rack can be install ventilating fan 1 ea. to 3 ea. Maximum
- The side panel security with security lock is turn lock and perforated slot
- Ground system all part of rack completed by cable earth kit
- Provide with M6 bolt cage nuts and plastic washers
- Manufacturing standard ISO 9001: 2000 Company

### Slide Rack Mount



- 19", 21" or 23" rack mount
- Terminates 12, 24, 48, 60 & 120 fiber
- Patch panel FC, SC, ST, LC
- Pullout splicing tray for convenient splicing and field termination
- Equipped with cable management
- Removable door with lift-off hinges
- Material – steel with powder coating

#### Available Model

- 19" for 12 - 24 fiber
- 21" for 48 - 60 fiber
- 23" for 72 - 120 fiber

### FDF Wall Mount (Indoor)



- Have two function –splicing area and patching area
- Hinge-able parts splicing tray ,capacity 12 fiber /tray
- Provides easy access for connector FC ,SC ,LC panel
- Lockable dual doors with optional lock kits and available
- Swing door L-shaped design
- Available for wall and rack 19", 21"
- Includes routing guides for fiber management

#### Available Model

- 19"
- 21"

## Rack Wall Mount & Aluminum Wall Mount



### FDF Wall Mount (Outdoor)

- One door lockable
- Provided 4mm thickness foam for protection water
- All screw or nut made of stainless steel
- Can be install at pole

#### Available Model

- 19"
- 21"



### 19" High Quality Export Rack

#### Available Model

- |       |       |
|-------|-------|
| • 15U | • 39U |
| • 27U | • 42U |
| • 36U | • 45U |



### 19" FAR Perforated Rack

#### Available Model

- |       |       |
|-------|-------|
| • 15U | • 39U |
| • 27U | • 42U |
| • 36U | • 45U |

### Open Rack



- Mounting vertical frames support is electro galvanized sheet steel 2mm. thickness. Square mounting holes with extraordinary strength.
- The rack include 4 adjustable level stand for easy install and 4 castors wheel for easy remove. Caster equipped on the 360 degree swivel that allow to be moving conveniently with capacity the static load 100 Kg./caster.

#### Available Model

- |       |       |
|-------|-------|
| • 15U | • 39U |
| • 27U | • 42U |
| • 36U | • 45U |





### GF-7 Kimtech Fiber Closure

- Compact Drop wire closure 12-24 F



### GPJ-M Fiber Optic Splice Closure

- GPJ-M is provided with one set of fixing kit for 3 pieces of fiber cables, for 1 piece of fiber cable with diameter 14mm, and 2 pieces of fiber cables with diameter 12mm. If required, we could provide one set of fixing kit for 4 pieces of fiber cable inlet/outlet ports or with diameter 12mm one set of fixing kit for 2 pieces of fiber cables diameter 14mm instead. (Maximum capacity : 96 cores)



### GPJ-B Fiber Optic Splice Closure

- Advanced internal structure design
- Easy to re-enter, it never requires re-entry kits
- FOSTs are designed in SLIDE-IN-LOCK and its opening angle is above 90°
- The closure is spacious enough for winding and storing fibers
- Easy and fast to fix fiber cable



### DF-7001 Dome Fiber Optic Splice Closure

- Advanced internal structure design, fiber suffers no attenuation.
- The closure is spacious enough for winding and storing fibers
- The curved diameter meets with international standard.
- Easy and fast to increase and reduce FOSTs.
- Innovative elastic integrated seal fitting
- Fiber Optic Splice Trays (FOSTs) are designed in SLIDE-IN-LOCK and its opening angle is above 90°



### W-ICL-001-xxF

- Max capacity of cores per splice tray : 12(single) / 24 (single)
- Max capacity of splice trays per closure : 5
- Max capacity : 48 / 96 core
- Cable diameter (mm) : 8 - 25
- Number of cable entry & exit : 2&2



### W-ICL-002-xxF

- Max capacity of cores per splice tray : 12(single) / 24 (single)
- Max capacity of splice trays per closure : 4
- Max capacity : 48 / 96 core
- Cable diameter (mm) : 8 - 22
- Number of cable entry & exit : 2&2



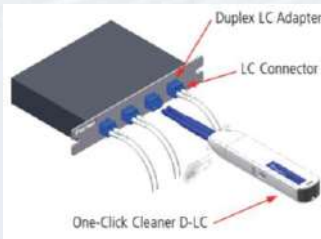
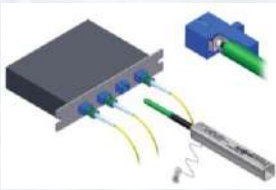
### W-ICL-003-xxF

- Max capacity of cores per splice tray : 12(single) / 24 (single)
- Max capacity of splice trays per closure : 4
- Max capacity : 48 / 96 core
- Cable diameter (mm) : 8 - 25
- Number of cable entry & exit : 2&2, 3&3



### W-ICL-004-xxF

- Max capacity of cores per splice tray : 12(single) / 24 (single)
- Max capacity of splice trays per closure : 3
- Max capacity : 36 / 72 core
- Cable diameter (mm) : 8 - 23
- Number of cable entry & exit : 2&2, 3&3



### One-Click Connector Cleaner

- Cleans connectors on jumpers and in adapters
- ODC® version available
- Ergonomic, comfortable design with single action cleaning
- Precise mechanical action delivers consistent cleaning results
- Low cost per clean
- Available with enlarged cleaning area up to 2 mm
- Effective on a variety of contaminants including dust and oils
- Compliant with EU/95/2002/EC Directive (RoHS)

#### Available Model

- One-Click Cleaner SC, ST, FC (500 cleans)
- One-Click Cleaner LC/MU (500 cleans)
- One-Click Cleaner ODC (outdoor connector, 500 cleans)
- One-Click Cleaner Mini-100 SC, ST, FC (100 cleans)
- One-Click Cleaner Mini-100 LC/MU (100 cleans)
- One-Click Ultra Cleaner 2.5 SC, ST, FC (enlarged cleaning area, 500 cleans)
- One-Click Cleaner D-LC (Duplex LC, 500 cleans x 2)
- One-Click Cleaner Mini-500 SC, ST, FC (500 cleans)
- One-Click Cleaner Mini-500 LC/MU (500 cleans)
- One-Click Cleaner MPO (MPO/MTP, 500c cleans)

### STS821 Optical Fiber Clean Pen



- The Optical Fiber Clean Pen is a kind of cleaning tools with high-performance and new-type fiber adapter. It is designed to specially work well with the female connectors. This instrument cleans the ferrule end faces removing dust, oil, and other debris without nicking or scratching the end face. The clean pen is specially designed to clean the APC and UPC connector. The operation of cleaning pen is easy and exact. Otherwise, it will keep the low cost for a long time. Its working life is more than 800 times.

#### Available Model

- FC/SC/ST Cleaner Pen, universal 2.5mm
- LC/MU Cleaner Pen, universal 1.25mm



### WFW Fiber Wipes

- Small package footprint ideal for a laboratory or field use
- Rugged 90-wipe mini-tub keeps wipes clean and dry prior to use
- Octagonal cover minimizes rolling distance if dropped
- Solvent safe; may be moistened to provide wet / dry cleaning
- Instructions for use on the side of the tub

#### Available Model

- case of 24 mini-tubs (2160 total wipes, 90 wipes per mini-tub)

### WFW Fiber Wipes

- Hermetically sealed wipes remain uncontaminated and ready for use
- Foil backed wipes protect skin from cleaning solvents and cable gel
- Packaging contains no glues to leach out
- Button hole for placement on panel board or keychain
- Pictorial instructions on each package

#### Available Model

- case of 24 mini-tubs (2160 total wipes, 90 wipes per mini-tub)



### Kimwipes

- High quality low lint wipe
- Soft and non-abrasive
- Extremely absorbent
- 280 wipes per box



### FCC2 Fiber Connector Cleaner

- Ozone Safe, Environmentally Safe, US EPA SNAP approved
- Not Hazardous/Not Regulated for all modes of transport including air-cargo
- Unique dispenser for used with AFL Connector Cleaning Tips and Fiber Wipes
- Up to 400+ cleanings per can
- Dries without a residue, unlike alcohol

#### Available Model

- FCC2-00-0900 1 can 3oz (85g) of FCC2 Fiber Connector Cleaning Fluid
- FCC2-00-0901 1 case (12 cans) of FCC2 Fiber Connector Cleaning Fluid



### FPF1 Fiber Preparation Fluid

- Ozone Safe, Environmentally Safe, US EPA SNAP approved
- Not Hazardous/Not Regulated for all modes of transport including air-cargo
- Unique dispenser for used AFL Fiber Wipes
- Dries without a residue, unlike alcohol

#### Available Model

- FPF1-00-0900 1 can 3oz (85g) of Fiber Prep Fluid
- FPF1-00-0901 1 case (12 cans) of Fiber Prep Fluid



### CLETOP Original Series Connector Cleaners

- Compact and light weight design
- Simple push lever shutter operation
- Cost effective replacement cleaning tape reels
- Over 400 swipes each
- Excellent anti-static properties minimize reattachment of dust to the connector after cleaning
- Consistent Cleaning results without alcohol



### CLETOP-S Series Optical Connector Cleaner

- “Drop-in” replacement tape cartridge and ergonomic design
- Compact and light weight design
- Simple push button shutter operation
- Over 400 swipes each tape
- Consistent Cleaning results without alcohol
- Replaceable clean tape reels are cost effective



### CLETOP Optical Connector Cleaner



- “Drop-in” replacement tape cartridge and ergonomic design
- Compact and light weight design
- Simple push button shutter operation
- Over 400 swipes each tape
- Consistent Cleaning results without alcohol
- Replaceable clean tape reels are cost effective





# QReC

**Ethanol 99.9% (Bottle of 2.5 Liter)**



**Alcohol Pump Bottle**



# MENDA

**Alcohol Pump Bottle**



# Pro'sKit®

**Blow Brush**

**Available color**

- Blue
- Black



### FCP2 Field Portable Connector Cleaning Kits

- FCP2 Cleaning Kits from AFL offer a complete selection of fiber optic cleaning products for field cleaning of connector end faces in a convenient duffel bag style carry case. The Basic Cleaning Kit includes FCC2 cleaning fluid, One-Clicks for SC, ST, FC, LC and MU connectors, Fiber Wipes, and a Cletop SB. Options available to include inspection, MPO/MTP cleaning, and loss testing capabilities.

### Available Model

DESCRIPTION	INCLUDES	AFL NO.
Basic Cleaning Kit with Carry Case	One-Clicks for SC, ST, FC, LC and MU connectors, FCC2 cleaning fluid, FiberWipes, Cletop SB and Carry Case	FCP2-00-0900
Refill for Basic Cleaning Kit (no Carry Case)	One-Clicks for SC, ST, FC, LC and MU connectors, FCC2 cleaning fluid, FiberWipes, Cletop SB	FCPR-00-0900
Basic Cleaning Kit with MPO Cleaners and Carry Case	One-Clicks for SC, ST, FC, LC, and MU connectors, FCC2 cleaning fluid, FiberWipes, Cletop SB, MPO/MTP Cleaner and Carry Case	FCP2-00-0901
Basic Cleaning and Inspection Kit	OFS300-200 inspection scope, One-Clicks for SC, ST, FC, LC, and MU connectors, FCC2 cleaning fluid, FiberWipes, Cletop SB	FCP2-01-0900
Basic Cleaning, Inspection and Loss Test Kit	OFS300-200 inspection scope, CSM1-2 power meter, CSS1-MM multimode light source, CSS1-SM single-mode light source, One-Clicks for SC, ST, FC, LC, and MU connectors, FCC2 cleaning fluid, FiberWipes, Cletop SB	FCP2-02-0900
Carry Case	Field Portable Duffel Bag Cleaning Supplies Carry Case	1400-01-0095PZ





### KTC-30 Optical Fiber Stripper

- Made of stainless
- Used for stripping fiber cable ; Jacket pigtail or Patch cord and Fiber Tube



### CFS-2 Optical Fiber Stripper

- Used for stripping fiber cable ; Jacket pigtail or Patch cord and Fiber Tube



### Multi-Wire Strippers / Cutters

- Used for stripping or cutting fiber cable ; Jacket pigtail or Patch cord and Fiber Tube

#### Available Model

- 721 >> strips and cuts 22-10 AWG (0.6-2.6 mm) wire sizes
- 821 >> strips and cuts 26-16 AWG (.40-1.3 mm) wire sizes
- 921 >> strips and cuts 30-20 AWG (.25-.80 mm) wire sizes



### FIS F11301T Optical Fiber Stripper

- Used for stripping fiber Coating ; 290um, 900um and Jacket 2mm, 3mm



### Ideal Coax Tube Stripper

- Used for stripping tube core inside fiber without core's damage



### KTS1 Flat / Drop wire Cable Stripper

- Used for stripping flat ; inside fiber without core's damage



### DC300 Stripper for flat, 250um, 900um fiber cable

- Used for stripping flat ; inside fiber without core's damage



### Paladin Tools

#### Round Cable Slitter

- Used for stripping fiber Coating ; 290um, 900um and Jacket 2mm, 3mm



#### Cable web slitter

- Used for slitting slings attached to fiber cable



#### Cable tube slitter

- Used for slitting tube attached to fiber cable



### Figure8 Fig.8 Cable web Slitter

- The Fig.8 cable bridge splitter has 4 wheels to precisely direct the blade to the groove, allowing the bride cable to be separated from cable easily and without damaging the cable
- It can be used in place of cutter. Better safe to use



### Mid Span Cable Slitter

- Used for slitting jacket's fiber cable, have left and right grips for easy slitting without a cutter
- Mid-Span cable sheath slitter for FTTx  
fiber cable stripping is specially designed to strip the middle of the cable in case od needing to split the glass fiber or crop at the DP of the FTTx network or repair the damaged fiber without cutting the causing service interruption



### Cable web cutter

- Used for cutting fiber cable
- Available color : black



### High Leverage Side – Cutting Pliers

- Used for cutting or clamping fiber cable



### D252-6sw 6” Diagonal Cutter with skinner USA

- Bell System Type 6” Diagonal Cutter has a .052” skinning hole and “W” stripping notches to slit insulation



### D310 – 6C Tapered Long – nose Pliers

- For small, tiny, narrow niches



### F1 – KS1 Kevlar Cutter (FIS)

- Kevlar Cutter Miller Scissors (Carbon Molybdenum & Vanadium Steel Blade)
- Used for cutting Aramid yarn / Kevlar fiber cable



### Fiber Optic Kevlar Cutter

- Stainless steel blade for cutting cable insulation or yarn fiber



### Core Marker (0-9) 500 pcs per roll

- Used for define core's number



### Cable Tile

- 5 Sizes
- 2 colors



### Soft Case by Kimtech

- Easy to carry
- Can put a lot of tools
- Durable



### KTC-008 Basic Splicing Tool Kit

#### Standard :

- Cleaver Fiber
- Alcohol pump bottle with alcohol 99.9%
- Kim wipes
- CFS-2 Fiber Stripper
- Mid-Span

More.....

**\*\*\* Can Change or add more tools**

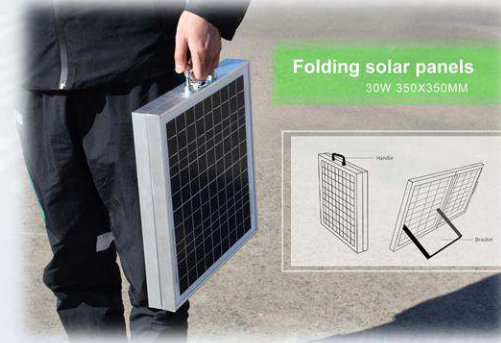
# Solar Power System



**Outdoor camping  
RV travel cooking lighting**  
Solar charging outdoor energy storage power supply



**Outdoor charging**  
1000W inverter power supply



**Folding solar panels**  
30W 350X350MM



**Solar outdoor  
Energy storage power supply**  
Comes with Bluetooth audio, radio, AC/DC/USB charging port



Solar charging

AC charging

Car charging





### Available Model

#### Camping Ordinary type

- Battery capacity : 7000mAh / 84 Wh
- Input Voltage : DC12V2A
- Type of Battery : Lead-acid batteries
- Charging time : 5 hours

#### Camping Ordinary type

- Battery capacity : 12000mAh / 144 Wh
- Input Voltage : DC12V2A
- Type of Battery : Lead-acid batteries
- Charging time : 6 hours

#### Camping Ordinary type

- Battery capacity : 40000mAh / 120 Wh
- Input Voltage : DC14.6V2A
- Type of Battery : LiFePO4
- Charging time : 3 hours

#### Camping Ordinary type

- Battery capacity : 80000mAh / 240 Wh
- Input Voltage : DC14.6V5A
- Type of Battery : LiFePO4
- Charging time : 4 hours



### Available Model

#### Bluetooth inverter type

- Battery capacity : 80000mAh / 256 Wh
- Input Voltage : DC12.6V8A
- AC Output : 300W/220V , 500W/220V
- Radio : FM / MP3 / Bluetooth
- Type of Battery : LiFePO4
- Charging time : 4 hours

#### Bluetooth inverter type

- Battery capacity : 135000mAh / 450 Wh
- Input Voltage : DC12.6V8A
- AC Output : 300W/220V , 500W/220V
- Radio : FM / MP3 / Bluetooth
- Type of Battery : Ternary Lithium Battery
- Charging time : 6 hours



### Available Model

#### Bluetooth torch type

- Battery capacity : 40000mAh / 128 Wh
- Input Voltage : DC14.6V2A
- Radio : FM / MP3 / Bluetooth
- LED lights : 3W independent lighting switch
- Type of Battery : LiFePO4
- Charging time : 5 hours

#### Bluetooth torch type

- Battery capacity : 80000mAh / 256 Wh
- Input Voltage : DC14.6V2A
- Radio : FM / MP3 / Bluetooth
- LED lights : 3W independent lighting switch
- Type of Battery : LiFePO4
- Charging time : 4 hours



### Available Model

#### Inverter type

- **Battery capacity : 80000mAh / 256 Wh**
- **Input Voltage : DC14.4V8A**
- **AC Output power: 300W/220V , 500W/220V**
- **AC Output waveform : Correction wave**
- **Type of Battery : LiFePO4**
- **Charging time : 4 hours**

#### Inverter type

- **Battery capacity : 135000mAh / 540 Wh**
- **Input Voltage : DC12.6V8A**
- **AC Output power : 300W/220V , 500W/220V**
- **AC Output wave form : Correction wave**
- **Type of Battery : Ternary Lithium battery**
- **Charging time : 6 hours**



### Available Model

#### Inverter torch type

- Battery capacity : 78000mAh / 312 Wh
- Input Voltage : DC12.6V5A
- AC Output power: 300W/220V
- AC Output waveform : Correction wave
- Type of Battery : Ternary Lithium battery
- Charging time : 5 hours

#### Inverter torch type

- Battery capacity : 117000mAh / 468 Wh
- Input Voltage : DC12.6V5A
- AC Output power : 500W/220V
- AC Output wave form : Correction wave
- Type of Battery : Ternary Lithium battery
- Charging time : 8 hours

#### Inverter torch type

- Battery capacity : 179000mAh / 720 Wh
- Input Voltage : DC12.6V
- AC Output power : 1000W/220V
- AC Output wave form : Correction wave
- Type of Battery : Ternary Lithium battery
- Charging time : 8 hours

## Outdoor solar energy storage power supply



### Available Model

#### 1000W inverter type

- Battery capacity : 240000mAh / 768 Wh
- Input Voltage : DC12.6V8A
- AC Output power: 1000W/220V
- AC Output waveform : Correction wave / sine wave
- Type of Battery : LiFePO4
- Charging time : 8 hours

#### 1000W inverter type

- Battery capacity : 3000000mAh / 1200 Wh
- Input Voltage : DC12.6V10A
- AC Output power : 500W/220V
- AC Output wave form : Correction wave / sine wave
- Type of Battery : Ternary Lithium battery
- Charging time : 9 hours



### Available Model

#### Inverter Upgrade type

- **Battery capacity : 140000mAh / 518 Wh**
- **Input Voltage : DC16.8V5A**
- **AC Output power: 500W/220V**
- **AC Output waveform : Correction wave**
- **Type of Battery : Ternary Lithium Battery**
- **Charging time : 6 hours**



## Multifunctional Solar Hand Lamp



### Available Model

#### Multifunctional Solar Hand Lamp

- **Battery capacity : 6000mAh / 3.7 V**
- **Lumen : 800LM**
- **Light source specification : 100 LED**
- **Flashlight : 3W**
- **Main light : 10W**
- **Solar Panels : 3.5W Polysilicon**
- **Features / Functions : Dual-lamp lighting, emergency flashing, Bluetooth audio, Mobile phone charging**





## Multifunctional Solar Hand Lamp



### Available Model

#### Multifunction Solar Hand Lamp

- Battery capacity : 10800mAh / 39.6Wh
- Lumen : 2000LM
- Light source specification : 100 LED
- Flashlight : 3W
- Main light : 17W
- Solar Panels : 1.8W6V Polysilicon
- Features / Functions : Dual-lamp lighting, emergency flashing, Bluetooth audio, Mobile phone charging, Light wave mosquito repellent



## Multifunctional Camping Lighting



### Available Model

#### Multifunctional Camping lighting

- Battery capacity : 3600-10000mAh / 18650 lithium battery
- Charging Time : 6-8 hours
- 5V Android charging hole + USB output
- Torch Range : about 200 Meters
- Features / Functions : Strong light bulb, highlight bulb Three light effects
- Strong absorption magnet



## Multifunctional Solar Fan



### Available Model

#### Multifunctional solar Fan

- Output power : 2-4W
- Speed Control : Stepless speed switch
- LED lightings : 3W
- Output current : 200mAh-1200mAh
- Charging time : 4-6 hours
- Features / Functions : Mobile phone charging, solar charging , table fan hanging fan



Use upside down



Use flat



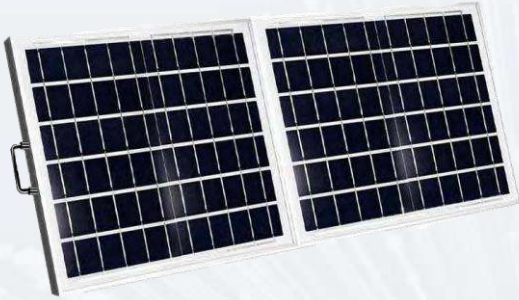
90 degree adjustment



LED three-block light



Emergency charging hole



### Folding Solar panel

**Output power : 30 W**

- Output voltage : 18 V
- Expanded size : 700x350 MM
- Folding size : 350x350 MM



### Output power : 10 W

- Output voltage : 18 V
- Product size : 347x233 MM



### Output power : 50 W

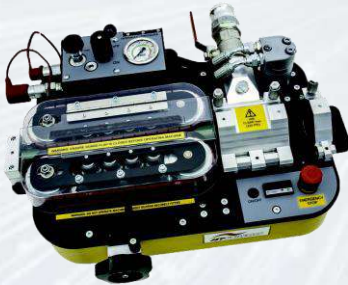
- Output voltage : 18 V
- Product size : 670x530 MM



### Output power : 100 W

- Output voltage : 18 V
- Product size : 670x1000 MM

# *CBS Machine Blowing*





### Tornado Plus

- Cable Diameter : 6-32 mm
- Tube Size (Outside Dia) : 12-63 mm
- Cable Speed (Adjustable) : 0-90 m/min
- Maximum Air Pressure : 12 bar air flow range from 4-12 m3/min
- Power Requirement : Petrol powered hydraulic power pack
- Length : 1067 mm / Width : 686 mm
- Height : 1232 mm / Weight : 70 kg



### Jetstream cable blower

- Cable Diameter : 6-20 mm
- Duct Size : 12-50 mm OD
- Cable Speed (Adjustable) : 0-85 m/min
- Maximum Air Pressure : 15 bar 10 m3/min
- Power Requirement : Supplied hydraulic power pack
- Length : 620 mm / Width : 484 mm
- Height : 233 mm / Weight : 31 kg
- Weight including case : 60 kg



### Airstream micro cable blower

- Cable Diameter: 2.5 -11 mm
- Tube Size (Outside Dia): 5-18 mm
- Cable Speed (Adjustable): 0-80 m/min
- Maximum Air Pressure: 15 Bar 1 m3/min
- Power Requirement: 110/220 Volt AC
- Length: 460 mm / Width: 300 mm
- Height: 270 mm / Weight: 14 kg 14



### Breeze micro cable blower

- Cable Diameter : 1 - 8.5 mm(1- 2.5 mm Blown Fiber available with add on kit)
- Tube Size (Outside Dia) : 4 - 18 mm
- Cable Speed (Adjustable) : 0-50 m/min
- Maximum Air Pressure : 15 Bar 1 m3/min
- Power Requirement : 110/220 Volt AC
- Length : 390 mm / Width : 270 mm
- Height : 250 mm / Weight : 23 kg



### Whisper micro cable blower

- Cable Diameter : 2 - 8.5mm
- Tube Size (Outside Dia) : 4 - 18mm
- Cable Speed (Adjustable) : 0-90m/min
- Maximum Air Pressure : 15 Bar
- Power Requirement : Variable Speed Drill (not included)
- Length : 246mm / Width : 206mm
- Height : 216mm / Weight : 5.4kgs

### RECOMMENDED COMPRESSOR



- Engine : Honda 21.5HP
- Fuel Tank Cap : 20 litres
- Length : 1200mm
- Width : 800mm
- Height : 780mm
- Weight : 205kg



### Breeze micro cable blower

- **Fiber Compatibility :** Up to 1.6 mm with buckle protection up to 3 mm without buckle protection
- **Blowing Speed :** Manual control to 50 meters per minute.
- **Compatible Tubes :** 3 - 10mm
- **Air Supply :** 15 Bar max working pressure– conditioned specification for C-1420-10 compatible compressor (10 bar suitable for most applications).
- **Electrical Supply :** 24V DC, 2.2 Amp. A range of AC and DC transformers is available for connection to different mains and vehicle supplies used around the world. Battery pack also available.
- **Length :** 120 mm
- **Width :** 184 mm
- **Height :** 166 mm
- **Weight :** 3 kg including PSU and



A large, circular arrangement of numerous thin, white fiber optic cables radiating from a central point, creating a starburst or sunburst effect against a light blue background.

# *CCTV SYSTEM*

**Wiz Sense**



### DH-XVR5104HS-I3

4 Channel Penta-brid 5M-N/1080p Compact 1U 1HDD WizSense DVR

- H.265+/H.265 dual-stream video compression
- Supports Full-Channel AI-Coding
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 6 Channels IP camera inputs, each channel up to 6MP;  
Max 32 Mbps incoming bandwidth
- Up to 1 channel video stream (analog channel) Perimeter Protection
- Up to 4 channel video stream (analog channel) SMD Plus
- Up to 1 channel video stream (analog channel) human face recognition
- IoT & POS functionalities

**Wiz Sense**



### DH-XVR5108HS-I3

8 Channel Penta-brid 5M-N/1080p Compact 1U 1HDD WizSense DVR

- H.265+/H.265 dual-stream video compression
- Supports Full-Channel AI-Coding
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 12 Channels IP camera inputs, each channel up to 6MP;  
Max 64 Mbps incoming bandwidth
- Up to 1 channel video stream (analog channel) Perimeter Protection
- Up to 8 channel video stream (analog channel) SMD Plus
- Up to 1 channel video stream (analog channel) human face recognition
- IoT & POS functionalities

**Wiz Sense**



### DH-XVR5116HS-I3

16 Channel Penta-brid 5M-N/1080p Compact 1U 1HDD WizSense DVR

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 24 Channels IP camera inputs, each channel up to 6MP;  
Max 128 Mbps incoming bandwidth
- Up to 2 channel video stream (analog channel) Perimeter Protection
- Up to 16 channel video stream (analog channel) SMD Plus
- Up to 2 channel video stream (analog channel) human face recognition
- IoT & POS functionalities

**Wiz Sense**



### DH-XVR5104HS-4KL-I2

4 Channel Penta-brid 4K-N/5MP Compact 1U 1HDD WizSense DVR

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 8 Channels IP camera inputs, each channel up to 8MP;  
Max 64 Mbps incoming bandwidth
- Up to 2 channel video stream (analog channel) Perimeter Protection
- Up to 4 channel video stream (analog channel) SMD Plus
- Up to 2 channel video stream (analog channel) human face recognition
- IoT & POS functionalities

**Wiz Sense**



### DH-XVR5108HS-4KL-I2

8 Channel Penta-brid 4K-N-5MP Mini 1U 1HDD WizSense DVR

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 16 Channels IP camera inputs, each channel up to 8MP;  
Max 128 Mbps incoming bandwidth
- Up to 2 channel video stream (analog channel) Perimeter Protection
- Up to 8 channel video stream (analog channel) SMD Plus
- Up to 2 channel video stream (analog channel) human face recognition
- IoT & POS functionalities

**Wiz Sense**



### DH-XVR5116HS-4KL-I2

16 Channel Penta-brid 4K-N/5MP Mini 1U 1HDD WizSense DVR

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 32 Channels IP camera inputs, each channel up to 8MP;  
Max 128 Mbps incoming bandwidth
- Up to 2 channel video stream (analog channel) Perimeter Protection
- Up to 16 channel video stream (analog channel) SMD Plus
- Up to 2 channel video stream (analog channel) human face recognition
- IoT & POS functionalities

### **Wiz Sense**



#### **DH-XVR5208/16AN-4KL-X**

8/16 Channel Penta-brid 4K 1U DVR

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 12/24 Channels IP camera inputs, each channel up to 8MP;  
Max 48/96 Mbps incoming bandwidth
- Smart Search and intelligent Video System

### **Wiz Sense**



#### **DHI-XVR5232AN-S2**

32 Channel Penta-brid 1080p 1U DVR

- Embedded processor
- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 32 Channels IP camera inputs, Max 128 Mbps incoming bandwidth
- Up to 2 channel video stream (analog channel) Perimeter Protection
- Long transmission distance over coax cable
- Support 2 SATA HDD, up to 16TB

### **Wiz Sense**



#### **DH-XVR5216AN-4KL-I2**

16 Channel Penta-brid 4K-N/5MP 1U 2HDD WizSense DVR

- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 32 Channels IP camera inputs, each channel up to 8MP;  
Max 128 Mbps incoming bandwidth
- Up to 2 channel video stream (analog channel) Perimeter Protection
- Up to 16 channel video stream (analog channel) SMD Plus
- Up to 2 channel video stream (analog channel) human face recognition
- IoT & POS functionalities

**Wiz Sense**



### DHI-NVR4104HS-4KS2/L

4 Channel Compact 1U 1HDD NVR

- New 4.0 user interface, Security baseline 2.1
- H.264, H265, Smart H2.64+, and Smart H.265+, H2.65 auto switch
- Max. decoding capability : 8x1080p@30 fps. Supports adaptive decoding
- Supports mainstream cameras of ONVIF and RTSP protocols
- P2P remote surveillance, video play on mobile device
- VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- AI by Camera : Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- Supports remote configuration and management of IPC, such as setting parameters, getting information, and upgrading IPC of the same model in batches

**Wiz Sense**



### DHI-NVR4108HS-4KS2/L

8 Channel Compact 1U 1HDD NVR

- New 4.0 user interface, Security baseline 2.1
- H.264, H265, Smart H2.64+, and Smart H.265+, H2.65 auto switch
- Max. decoding capability : 8x1080p@30 fps. Supports adaptive decoding
- Supports mainstream cameras of ONVIF and RTSP protocols
- P2P remote surveillance, video play on mobile device
- VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- AI by Camera : Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- Supports remote configuration and management of IPC, such as setting parameters, getting information, and upgrading IPC of the same model in batches

## Network Video Recorder

**Wiz Sense**



### DHI-NVR4116HS-4KS2/L

16 Channel Compact 1U 1HDD NVR

- New 4.0 user interface, Security baseline 2.1
- H.264, H265, Smart H2.64+, and Smart H.265+, H2.65 auto switch
- Max. decoding capability : 8x1080p@30 fps. Supports adaptive decoding
- Supports mainstream cameras of ONVIF and RTSP protocols
- P2P remote surveillance, video play on mobile device
- VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- AI by Camera : Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- Supports remote configuration and management of IPC, such as setting parameters, getting information, and upgrading IPC of the same model in batches

**Wiz Sense**



### DHI-NVR4108-4KS2/L

8 Channel 1U 2HDDs NVR

- New 4.0 user interface, Security baseline 2.1
- H.264, H265, Smart H2.64+, and Smart H.265+, H2.65 auto switch
- Max. decoding capability : 8x1080p@30 fps. Supports adaptive decoding
- Supports mainstream cameras of ONVIF and RTSP protocols
- P2P remote surveillance, video play on mobile device
- VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- AI by Camera : Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- Supports remote configuration and management of IPC, such as setting parameters, getting information, and upgrading IPC of the same model in batches

**Wiz Sense**



### DHI-NVR4116-4KS2/L

16 Channel 1U 2HDDs NVR

- New 4.0 user interface, Security baseline 2.1
- H.264, H265, Smart H2.64+, and Smart H.265+, H2.65 auto switch
- Max. decoding capability : 8x1080p@30 fps.  
Supports adaptive decoding
- Supports mainstream cameras of ONVIF and RTSP protocols
- P2P remote surveillance, video play on mobile device
- VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- AI by Camera : Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- Supports remote configuration and management of IPC, such as setting parameters, getting information, and upgrading IPC of the same model in batches

**Wiz Sense**



### DHI-NVR4108-4KS2/L

8 Channel 1U 2HDDs NVR

- Smart H.265+/H.265/Smart H.264/H.264/MJPEG
- Max 320 Mbps Incoming Bandwidth
- Up to 12MP resolution for preview and playback
- HDMI/VGA simultaneous video output



## DH-HAC-HDW1200TQ(-A)

2MP HDCVI Quick-to-install IR Eyeball Camera

- Max 30fps@1080p
- Quick-to-install eyeball saves installation time
- CVI/CVBS/AHD/TVI switchable
- 3.6mm fixed lens (2.8mm, 6mm optional)
- Built-in mic(-A)
- Max. IR length 40m, Smart IR
- IP67, DC12V



## DH-HAC-HFW1200F(-A)

2MP HDCVI IR Bullet Camera

- Max 30fps@1080p
- HD and SD output switchable
- 3.6mm fixed lens (2.8mm, 6mm optional)
- Built-in mic(-A)
- Max. IR length 30m, Smart IR
- IP67, DC12V



## DH-HAC-HFW1200R-Z-IRE6

2MP HDCVI IR Bullet Camera

\* The parameters and datasheets below can only be applied to 1200-S4 series

- Max 30fps@1080p
- HD and SD output switchable
- 2.7-12mm Motorized lens
- Max. IR length 60m, Smart IR
- IP67, DC12V





### DH-HAC-HDW1230EM-A

2MP Starlight HDCVI IR Eyeball Camera

- Starlight
- Max 30fps@1080p
- HD and SD output switchable
- 3.6mm fixed lens (2.8mm, 6mm optional)
- Max. IR length 50m, Smart IR
- IP67, DC12V



### DH-HAC-HFW1230T-A

2MP Starlight HDCVI IR Bullet Camera

- Starlight
- Max 30fps@1080p
- HD and SD output switchable
- 3.6mm fixed lens (2.8mm, 6mm optional)
- Built-in mic
- Max. IR length 30m, Smart IR
- IP67, DC12V



### DH-HAC-HFW2241T-Z-A

2MP Starlight HDCVI IR Bullet Camera

- Starlight, 120dB true WDR, 3DNR
- Max 30fps@1080p
- HD and SD output switchable
- Audio in interface, built-in mic
- 2.7-13.5mm Motorized lens
- Max. IR length 80m, Smart IR
- IP67, DC12V±30%



## SE125

### 2MP IR Eyeball Network Camera

- 1/2.7" 2Megapixel progressive CMOS
- H.265 & H.264 dual-stream encoding
- 25/30fps@1080p (1920x1080)
- DWDR, Day/Night (ICR), 3DNR, HLC, AGC, BLC
- Multiple network monitoring : Web viewer, CMS (DSS/PSS)& DMSS
- 2.8mm fixed lens (3.6mm optional)
- Max IR LEDs Length 30m
- IR67, PoE



## DH-SF125

### 2MP IR Mini-Bullet Network Camera

- 1/2.7" 2Megapixel progressive CMOS
- H.265+ & H.265 dual-stream encoding
- 25/30fps@1080p (1920x1080)
- DWDR, Day/Night (ICR), 3DNR, HLC, AGC, BLC
- Multiple network monitoring : Web viewer, CMS (DSS/PSS)& DMSS
- 2.8mm fixed lens (3.6mm optional)
- Max IR LEDs Length 30m
- IR67, PoE



### DH-IPC-HDW2230T-AS-S2

2MP IR Eyeball Network Camera

- 2 MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs 2MP (1920x1080) @ 25/30 fps
- H.265 codec, high compression ration, ultra-low bit rate
- Built-in IR LED, max IR distance : 30m
- ROI, Smart H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, DWDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection : Instruction, tripwire
- Abnormality detection : Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- Supports max. 256 GB Micro SD card, built-in mic
- 12V DC/PoE power support
- IP67 protection



### DH-IPC-HFW2230S-SA-S2

Built-in mic 2MP IR Bullet Network Camera

- 2 MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs 2MP (1920x1080) @ 25/30 fps
- H.265 codec, high compression ration, ultra-low bit rate
- Built-in IR LED, max IR distance : 30m
- ROI, Smart H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, DWDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection : Instruction, tripwire
- Abnormality detection : Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- Supports max. 256 GB Micro SD card, built-in mic
- 12V DC/PoE power support
- IP67 protection



### DH-IPC-HDW2231R-ZS-S2

#### 2MP Lite IR Vari-focal Dome Network Camera

- 2 MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs 2MP (1920x1080) @ 25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance : 40m
- ROI, Smart H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection : Instruction, tripwire
- Abnormality detection : Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- Supports max. 256 GB Micro SD card
- 12V DC/PoE power supply
- IP67, IK10 protection

### DH-IPC-HFW2231T-ZAS-S2

#### 2MP WDR IR Bullet Network Camera



- 2 MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs 2MP (1920x1080) @ 25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance : 60m
- ROI, Smart H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection : Instruction, tripwire
- Abnormality detection : Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, local alarm, voltage detection, audio abnormal
- Alarm : 1 in, 1 out; audio : 1 in, 1 out
- Supports max. 256 GB Micro SD card
- 12V DC/PoE power support
- IP67 protection, IK10 protection (optional)

### DH-IPC-HDW2431T-AS-S2

2MP Lite IR Fixed-focal Eyeball Network Camera



- 4MP, 1/3” CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560x1440) @ 25/30 fps, Max. supports 4MP (2688x1520)@ 20fps
- H.265 codec, high compression ration, ultra-low bit rate
- Built-in IR LED, max IR distance : 30m
- ROI, Smart H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection : Instruction, tripwire
- Abnormality detection : Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- Supports max. 256 GB Micro SD card, built-in mic
- 12V DC/PoE power support
- IP67 protection

### DH-IPC-HFW2431S-S-S2

4MP WDR IR Bullet Network Camera



- 4MP, 1/3” CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560x1440)@ 25/30 fpsMax. supports 4MP (2688x1520)@ 20fps
- H.265 codec, high compression ration, ultra-low bit rate
- Built-in IR LED, max IR distance : 30m
- ROI, Smart H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection : Instruction, tripwire
- Abnormality detection : Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- Supports max. 256 GB Micro SD card
- 12V DC/PoE power support
- IP67 protection



### DH-IPC-HDBW2431R-ZAS-S2

#### 4MP WDR IR Dome Network Camera

- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560x1440)@ 25/30 fps, Max. supports 4MP (2688x1520)@ 20fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance : 40m
- ROI, Smart H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection : Instruction, tripwire
- Abnormality detection : Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- Alarm : 1 in, 1 out; audio : 1 in, 1 out
- Supports max. 256 GB Micro SD card
- 12V DC/PoE power support
- IP67, IK10 protection



### DH-IPC-HFW2431T-ZAS-S2

#### 4MP WDR IR Bullet Network Camera

- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560x1440)@ 25/30 fps, Max. supports 4MP (2688x1520)@ 20fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance : 60m
- ROI, Smart H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection : Instruction, tripwire
- Abnormality detection : Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, local alarm, voltage detection, audio abnormal
- Alarm : 1 in, 1 out; audio : 1 in, 1 out
- Supports max. 256 GB Micro SD card
- 12V DC/PoE power support
- IP67 protection, IK10 protection (optional)



# *Kimtech Promises*

*To constantly provide you  
with good products and  
excellent service*

ทุกปัญหาของท่าน คือปัญหาของเรา  
“เราไม่ทิ้งคุณ”





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