

Product Guide



About Us

35+

Years of Excellence and Innovation in the region as a leading distributor

Operation across SEA Countries



70+



Employee



Our unwavering commitment to customer satisfaction has earned their trust & loyalty

Authorized partnership with over 20 reputable principals



KABEX®
PH®



Over millions of home pass



Certified HRDF training provider

Products & Solutions



- Test and measurement for optical, network, E&E and RF
- Photonic Solutions
- Lasers
- FTTx inside and outside plant materials

- Structure cabling
- Laser systems
- Photonics solutions
- Design and simulation software
- Optical component and sub systems
- Cyber security assessments
- GPS simulator/positioning
- Navigation and timing
- Access control
- Master clock





BUSINESS SEGMENTS

TELECOMMUNICATIONS

- Optical and telecom test instruments
- RF test instruments
- FTTx
- Planning software
- Cyber security
- Service assurance



ENTERPRISE

- Optical and network test instruments
- Cyber security
- Fiber/UTP cable
- Interconnect
- Racking system
- Service assurance



INDUSTRIAL

- Optical test instruments
- RF test instruments
- Electronics test instruments
- Automated test instruments
- Fiber optics components
- Lasers
- Photonics solutions
- Software



SUPPORT & SERVICES

- Instrument calibration
- Service and repair
- Preventive maintenance service
- Equipment loaner/Rental service
- Fiber network audit
- FTTx training



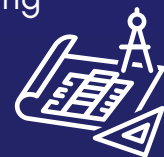
SCIENTIFIC

- Optical test instruments
- Fiber optics components
- RF test instruments
- Electronic test instruments
- Lasers
- Photonics solutions
- Software
- Training kit



TURNKEY PROJECT

- FTTx and ELV planning and implementation
- Cable installation
- Testing and splicing





KEY PARTNERS

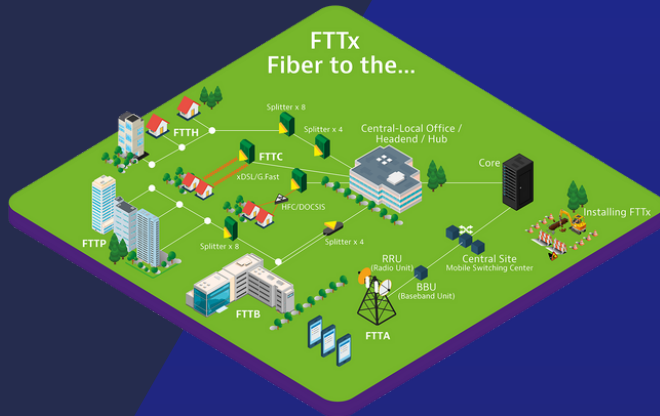
Meet Our Authorized Principals



HOUSE BRAND



PROJECTS OVERVIEW



FTTH Project

- Telekom Malaysia Berhad (TM) awarded KABEX the role as Turnkey Partner for a project involving the Development and Maintenance of Fiber-To-The-Home (FTTH) infrastructure in the Central and Southern regions.
- From May 2021 to May 2023, KABEX successfully managed over 100 sites situated in Selangor and Kuala Lumpur, as well as 88 sites in Negeri Sembilan, including locations such as Kuala Pilah, Kuala Kelawang, Palong, and Chuah.



ELV Project

- Kabex has successfully implemented and completed ELV projects for both commercial and residential properties across Klang Valley.
- **Key Projects Completed:**
- Malaysia Airport Holding Berhad Sepang Office ICT
- High Commission of the Republic of Singapore
- W Kuala Lumpur Hotel
- The Strand Mall Damansara
- Cristal Serin Residence Cyberjaya



Pagoh Education Hub

- The Pagoh higher education hub, situated within Pagoh University Town, is Malaysia's inaugural and largest public higher education hub. It surrounds several prominent institutions, namely Universiti Teknologi Malaysia (UTM), International Islamic University Malaysia (IIUM), Universiti Tun Hussein Onn (UTHM), and Politeknik Tun Syed Nasir Syed Ismail (PTSN).
- KABEX played a crucial role in the provision of teaching and learning equipment for the Pagoh higher education hub, undertaking tasks such as design, manufacturing, supply, delivery, installation, testing, and commissioning.
- KABEX successfully supplied their equipments to three of the four institutions located in Pagoh University Town, namely UTM, UTHM, and PTSN.



Railway Project MRT2 & LRT3

- Sapura Rail and Colas Rail have granted KABEX the responsibility of providing Fiber Cable for the Putrajaya line of the MRT2 railway project, which covers a distance of 57.7km. KABEX actively engage in offering consultation and implementing best practices for the installation and testing of the fiber cable.
- Additionally, Sapura awarded KABEX the task of supplying Fiber Cable for the Shah Alam line of the LRT3 railway project, spanning a distance of 37km. KABEX actively contributed to the consultation process and implemented best practices for the installation and testing of the fiber cable.



Telecommunication & Enterprise

KUMPULAN ABEX SDN BHD

INDEX

FIELD TEST

Fiber
Copper, Network
Wireless

FUSION SPLICER

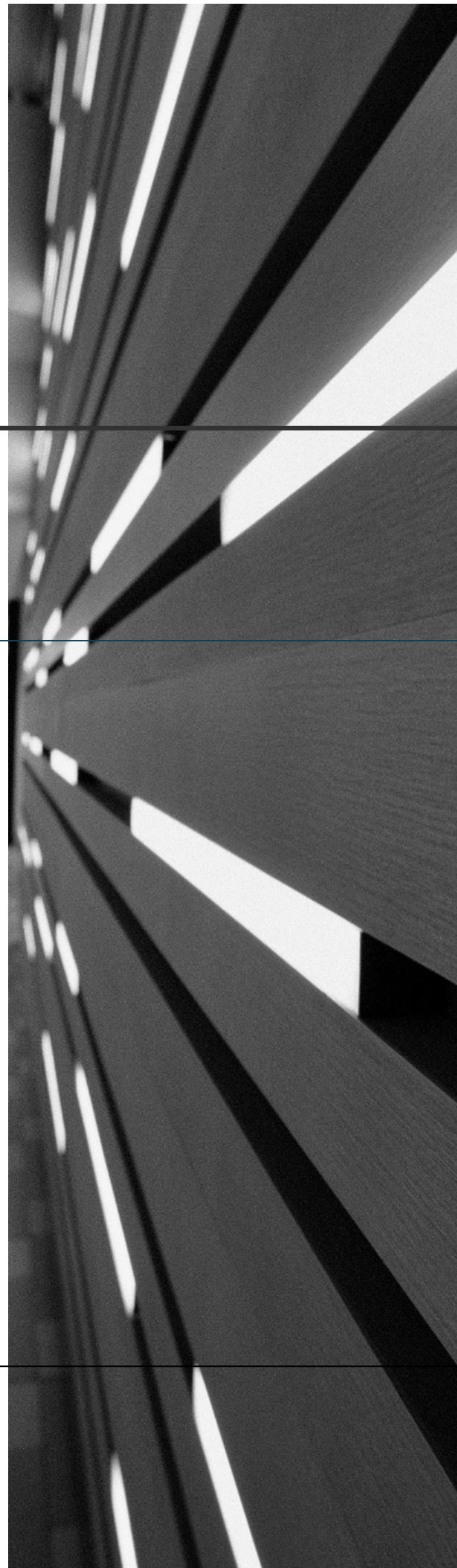
Single Fiber, Ribbon Fiber
Cleaver, Fiber Optic Accessories

OPTICAL COMMUNICATION

Interconnect, Transceiver, Media Converter,
Field Assembly/Splice-on Connector
Data Center Test Solutions, Interconnect

SECURITY, SERVICE ASSURANCE & ANALYTICS

Fiber Network Monitoring, Transport Assurance,
Cybersecurity, Software Planning Tools
RF Design and Planning



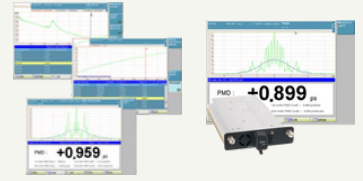
Optical Power Meters



Light Sources



Dispersion Analyser



OTDR & Software



Optical Loss Test Set



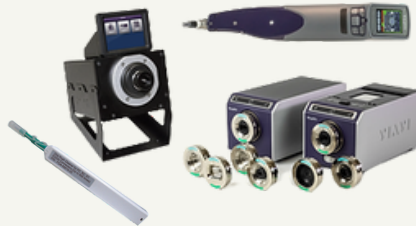
Fiber Identifiers



Attenuators



Fiber Inspection & Cleaning



Optical Multimeter



Fiber Certification Tier 1



Fiber Certification Tier 2



Fault Locators



Fiber Monitoring



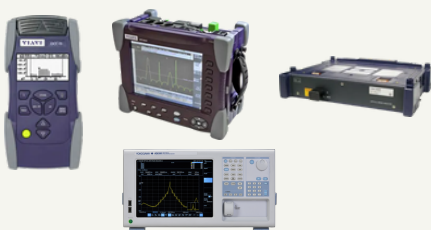
Fiber Optic Sensors



MPO Test Equipment



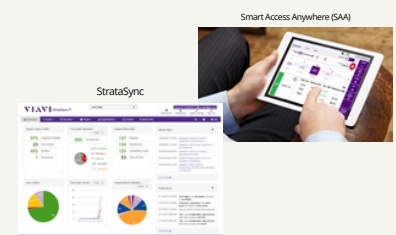
Optical Spectrum Analyzers



PON Power Meter



Asset & Data Management



Copper, xDSL, WiFi & Broadband Tests

DSL Modular Field Test Platform for G.fast, xDSL, Copper, FTTH and WiFi



DSL Tester



Advanced Coax Probes



UltraFED



Copper Certifier



Ethernet Tests

Service Providers



Handheld Network Tester up to 100Gbps



Enterprises



Data Services Performance Test up to 10Gbps



Bit Error Rate (BER)

Up to 800Gbps



Multi-Protocol Field Test

Up to 400Gbps



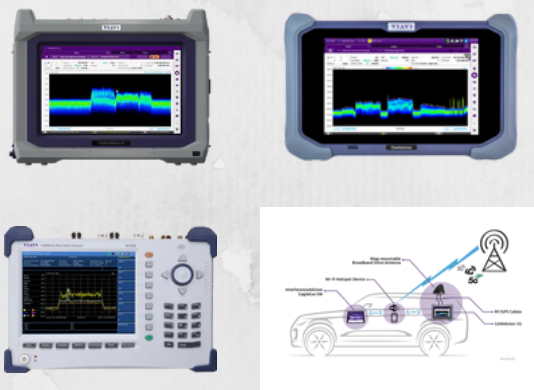
5G Installation & Maintenance Tools



RF Instrumentation



RF Spectrum Analysis



Antenna Alignment & Monitoring

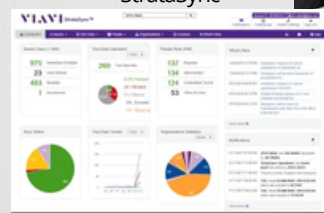


Asset & Data Management

Smart Access Anywhere (SAA)



StrataSync



SINGLE FIBER

FUSION SPLICER



Type-82C+

High Definition
Core Aligning
Fusion Splicer



Z2C+

Core Alignment
Fusion Splicer



PHSF7

High Precision
Fusion Splicer



T-400S

Active Clad
Alignment Fusion
Splicer



TYPE-201e-VS

Handheld Fusion
Splicer for Single
Fiber

RIBBON FIBER

FUSION SPLICER



TYPE-72M12

Ribbon Fiber Splicer



T201eM4

Handheld Fusion
Splicer

FC-6 Series



FC-8R Series



OFC-48K-06-C



OFC-48K-C



FC-6R Series



OFC-48K-03-C



FIBER OPTIC ACCESSORIES

Alcohol Dispensing Bottle



Single Fiber Protection Sleeve



Fiber Optic Cleaner



Electrode



Fiber Jacket Remover



Thermal Jacket Remover



One Push Cleaner



Cleaver Blade



Kimwipes® EX-L Tissue



Fiber Launcher



Fiber Optic Kevlar Cutter



Nipper



Interconnect

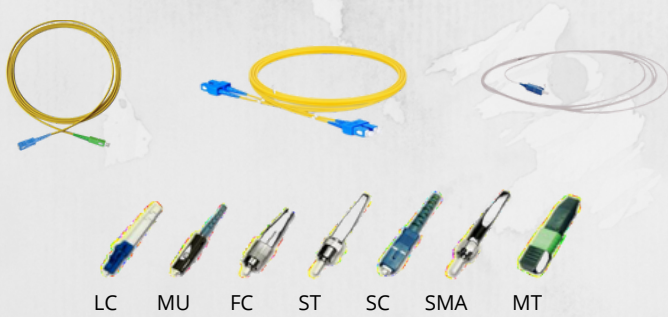
Adapter



PLC Splitter



Patchcords/Pigtail Connector

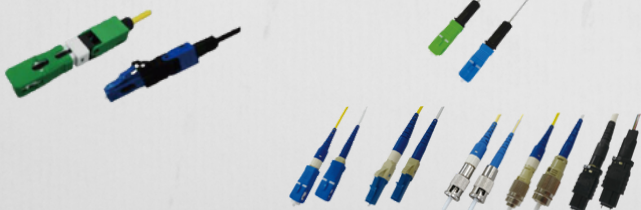


LC MU FC ST SC SMA MT

Field Assembly / Splice-on Connector

Field Assembly Connector

Splice-on Connector



Media Converter

Up to 1000 Mbps

100Base-TX to
100Base-FX Media
Converter Multi Mode

100Base-TX to
100Base-FX Media
Converter Single Mode



10/100/1000Mbps to
SFP Media Converter

1000Base-TX to
1000Base-LX Media
converter



Transceiver

SFP BIDI, SFP CWDM
and Copper SFP

10G SFP+



100G QSFP28 LR4

100G QSFP28 ER4



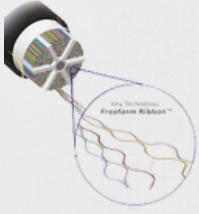
100G QSFP28 SR4 AOC

100G QSFP28 LR4 DAC

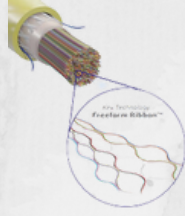


High Density Fiber Optic Cable

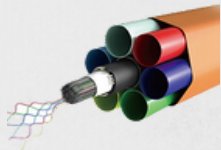
Ultra High Fiber Count Cable



Indoor Freeform Ribbon Cables



Ultra High Fiber Density Micro Duct Cable



Pre-terminated Ultra High Fiber Count Cable

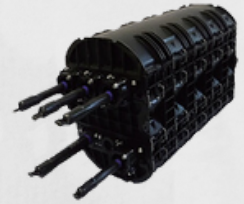


Optical Closure

GI-TN
3 Ports for up to 6912 Fiber



GI-TN-AB
5 Ports for 6912 Fiber



Splicing Rack

HSX Series



OPE series



Panel and Cassette

Precision Flex Rack Mount Preterminated Patch Panels



Precision Flex Rack Mount Patch Panels



MPO Cassette Panel

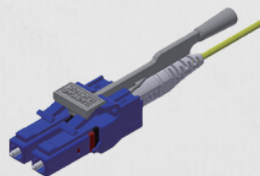


Patchcords and Optical Connector

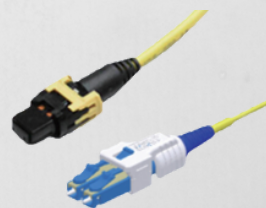
FlexMPO™ Patchcords



FlexULC™ Patchcords



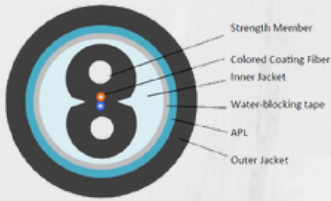
MPO-ULC Fanout cable



FlexULC™ Pro Patchcords



Armored Drop Cable



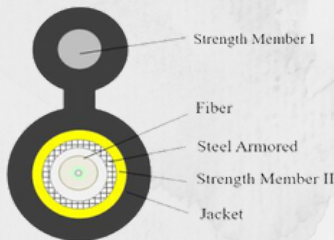
Drop Cable



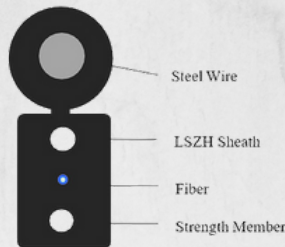
Riser/Vertical Cable



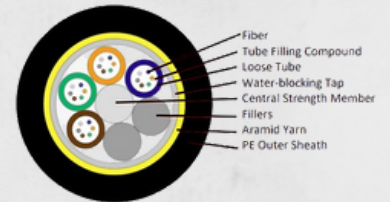
Outdoor Aerial Antirodent Drop Cable



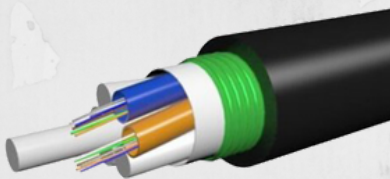
Aerial drop cable with IB



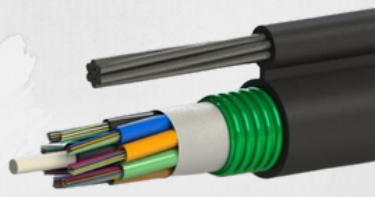
ADSS Cable



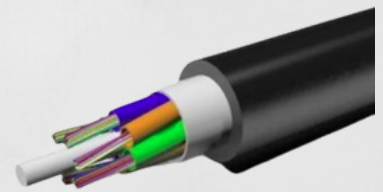
UG Antirodent Optical Fiber Cable (4 ~ 384C)



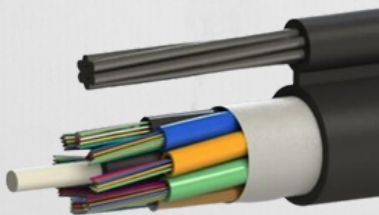
Overhead Antirodent Optical Fiber Cable (4 ~ 384C)



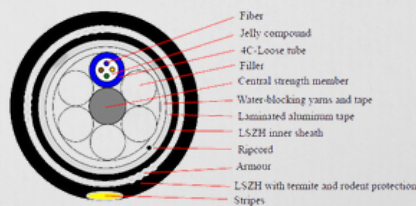
Duct Optical Fiber Cable (4 ~ 384C)



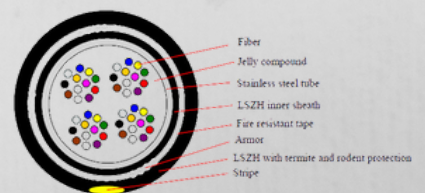
Overhead Optical Fiber Cable (4 ~ 192C)



Stainless Steel Tube Fire Resistant Cable



Galvanized Steel Wire Armored Flame Retardant Cable



Fiber Wall Socket



Pole/Wall FDP - 8/16 Ports



Above Ground FDP - 8/16 Ports



UG FDP - 8/16 Ports



FTB (Fiber Termination Box) up to 2 Ports



FTB (Fiber Termination Box) up to 24 Ports



FOSC (Fiber Optic Splice Closure)



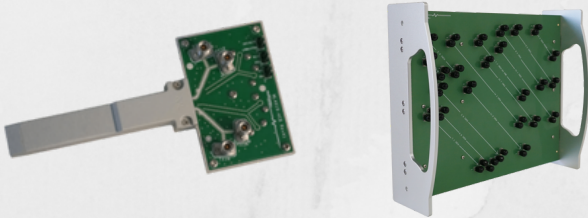
ODF (Optical Distribution Frame)



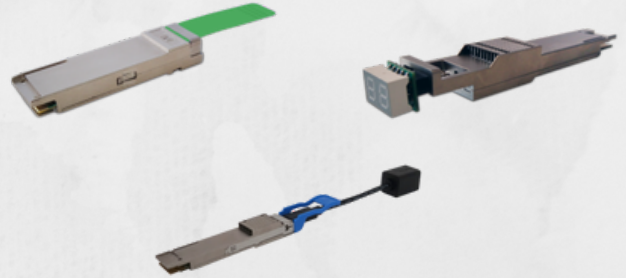
FDC (Fiber Distribution Cabinet)



Channel Emulation Board
(Hoist / Module)



Loopback Modules
(Active, Passive / Thermal)



Adapters



Analyzers



INTERCONNECT

RF Jumper Cables



RF Terminators



RF Adapters



Fiber Service Assurance

ONMSi

Remote Fiber Test System (RFTS)



FTH-9000

Remote Fiber Test unit with OTDR and Switch



SmartOTU

Standalone Remote Fiber Test Solution



Transport Assurance

Fusion

Virtual Test & Activation and Performance Monitoring



Fusion JMEP

Micro Ethernet Probe for Ethernet and IP performance assurance



Fusion QT-600-10

Automated service activation and verification for Carrier Ethernet



Cybersecurity Assessment

CyberFlood

Test and enforce application traffic policies. Benchmark performance and capacity.



Avalanche

Application Performance Testing Solution



Security Labs

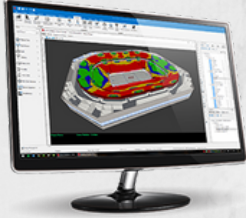
Automated Scanning via SaaS Portal



RF / Fiber Design and Planning Software

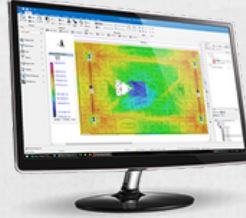
iBwave Design

The most productive and collaborative way to design Carrier-Grade Wi-Fi Networks



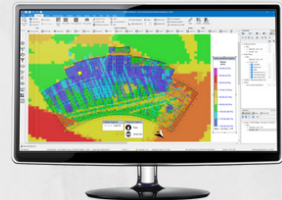
iBwave WiFi

The industry standard for designing In-Building Wireless Networks



iBwave Reach

Accelerate the design and deployment of your Wireless Campus Network Designs



iBwave Mobile Planner

Manage complete indoor wireless network designs for Small Cells and Wi-Fi projects directly from your smartphone or tablet



iBwave Mobile Survey

Simply use your phone or tablet on-site to collect Wi-Fi survey data as well as Cellular data (2G, 3G or LTE) simultaneously



iBwave Unity

Cloud-based, wireless network project management platform



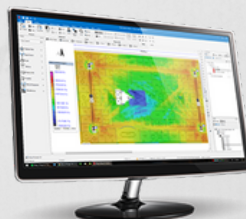
iBwave Wi-Fi® Mobile

Manage complete indoor wireless network designs for Wi-Fi projects directly from your smartphone or tablet



iBwave Public Safety

Plan, design and propose public safety networks that building owners and AHJs will approve

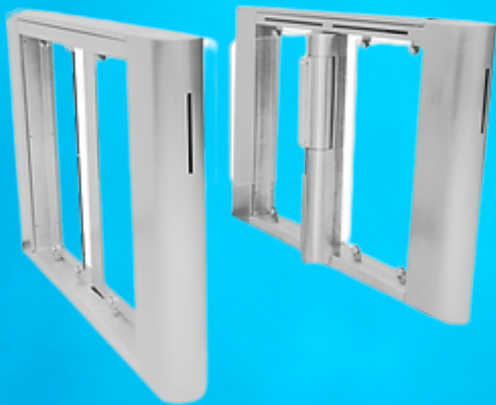


iBwave FiberPass™

A powerful solution that drastically accelerates the site survey and network design times for a FTTH network deployment project



Swing Door
Access Gate



Full Height
Turnstile



Flap Barrier

Tripod Barrier





Industrial &
Scientific

INDEX

AUTOMATED TEST EQUIPMENT

Data Acquisition & Control

Electronic Test

Wireless Design & Test, Accessories

Software

TRAINING & DEVELOPMENT BOARDS

Training Kits

ELECTRONIC BOARDS, T&M

PHOTONICS

Optical Tables & Isolation Systems

Motion Control

Opto-Mechanics

Optics

Lasers

Light Sources

LASER MEASUREMENT & LASER PROFILING

Light Analysis

DESIGN & PLANNING SOFTWARE

Optical Systems & Devices

LAB & MANUFACTURING TEST

Measurement Solutions, Measurement Instruments

Oscilloscopes, Data Logger, RF

Optical Test Instruments

Network

Navigations & Timing

NANO SCIENCE

Low Temperature System

Multifunction I/O



Voltage



Current



Digital I/O



Packaged Controllers



CompactDAQ Chassis



Temperature



Sound and Vibration



Strain, Pressure and Force



Oscilloscopes



Source Measurement Units



Switches



GPIB, Serial and Ethernet



PXI Controllers



PXI Chassis



Digital Multimeters



Software Defined Radios



RF Signal Generators



Vector Signal Transceivers



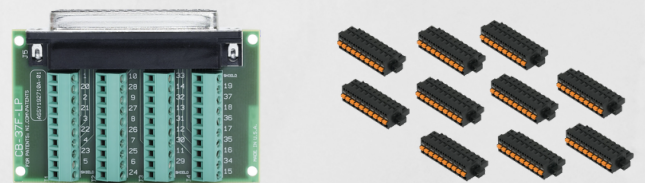
ACCESSORIES

AUTOMATED TEST EQUIPMENT

Power Accessories



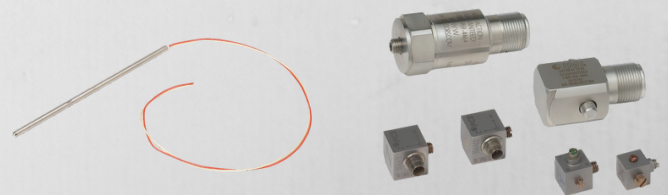
Connectors



Cables

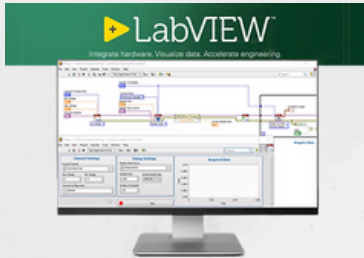


Sensors

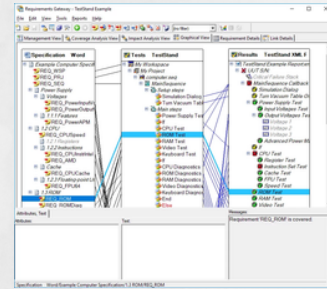


LabVIEW

A graphical programming environment engineers use to develop automated research, validation, and production test systems



TestStand



DIAdem



FlexLogger™



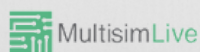
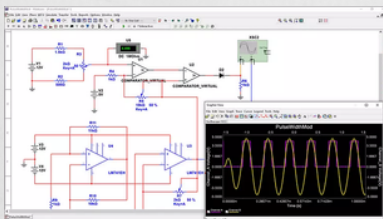
SystemLink™



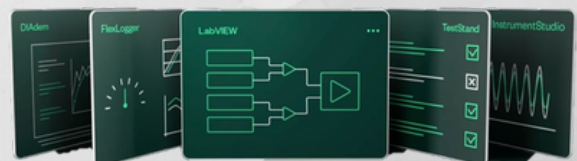
VeriStand



Multisim

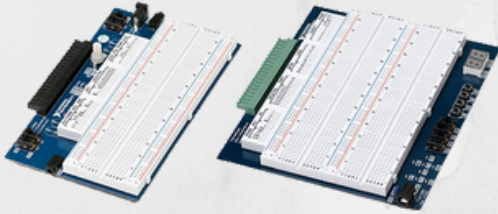


LabVIEW+ Suite



Portable Student Device

Circuits and Electronics
Protoboard



Student Data Acquisition
Device



Controls Mechatronics and
Robotics Device

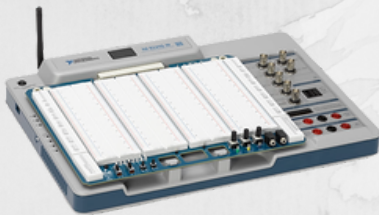


Student Embedded
Device



Engineering Lab Stations

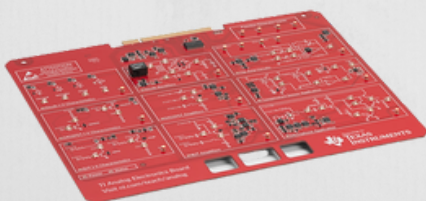
NI ELVIS III



NI ELVIS
Communications Device



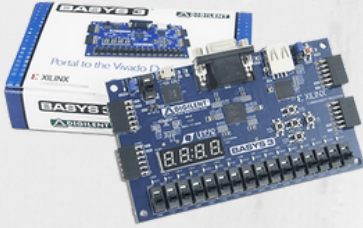
NI ELVIS
Electronics Device



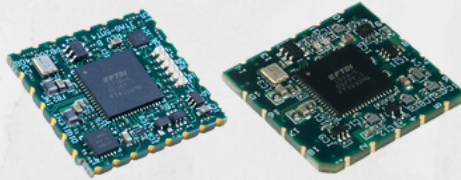
NI ELVIS
Mechatronics Device



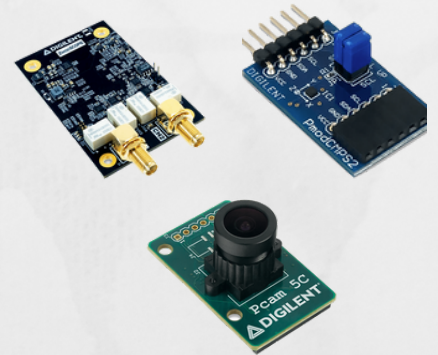
System Boards



JTAG Modules



System Board Expansion Modules



USB OSCILLOSCOPES, ANALYZERS AND SIGNAL GENERATORS

Analog Discovery 2



Digital Discovery



Analog Discovery Pro 3000 Series



Analog Discovery Studio



Analog Discovery Pro ADP5250



Optical Tables



Optical Table and Support Systems



Optical Breadboards



Optical Workstations



Vibration Isolators



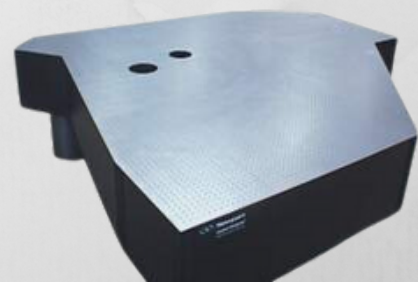
Table Top Vibration Isolation Platforms



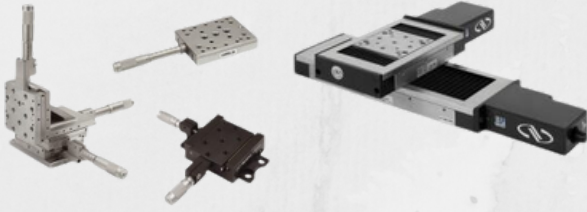
Pneumatic Isolation System Components



Custom Vibration Isolation Solutions



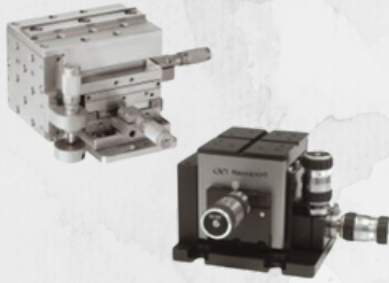
Linear Translation Stages



Rotation and Tilt Stages



Multi-Axis Stages



Actuators and Adjusters



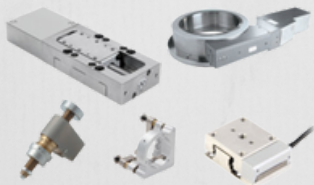
Hexapods



Motion Controllers



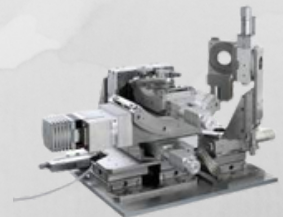
Vacuum Compatible Motorized Positioners



Industrial Motion Control



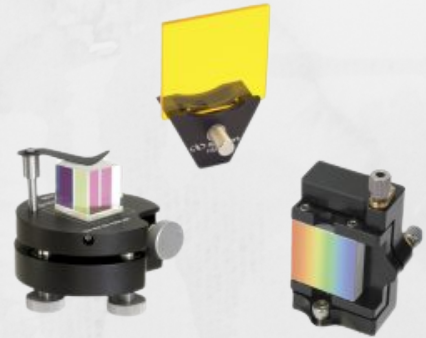
Custom Motion Solutions



Mirror Mounts



Optical Component Mounts



Optical Post Assemblies



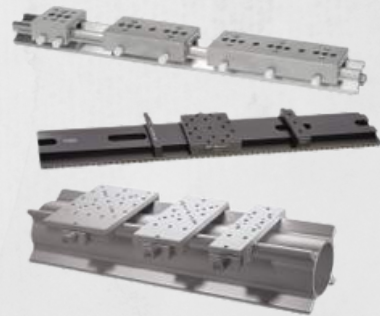
Bases & Brackets



Optical Breadboards



Optical Rails



Beam Routing



Lab Supplies



Optical Lenses



Optical Mirrors



Optical Filters



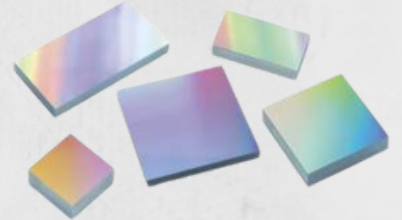
Beamsplitters



Polarization Optics



Diffraction Gratings



Optical Systems



Optical Windows



Prisms



Fiber Optics



Optic Lab Supplies



Optic Sets





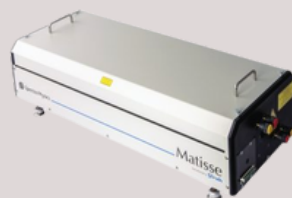
Ultrafast Lasers



Nanosecond Pulsed Lasers

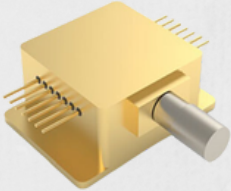


Continuous-Wave (CW) Lasers

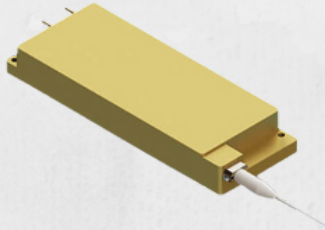


Laser Diodes

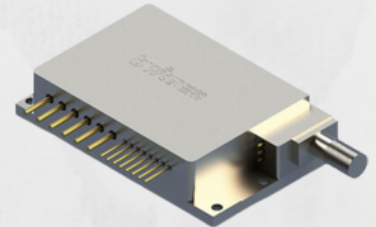
Fiber Coupled Diode Laser
(980nm-10W-14)



Fiber Coupled Diode Laser
(976nm-460W)



Fiber Coupled Diode Laser
(1470nm-15W)



Fiber Lasers

20000W Combined Beam
Ytterbium-doped Fiber Laser



3000W Fiber Lasers



1500W Fiber Lasers



Ultrafast Lasers

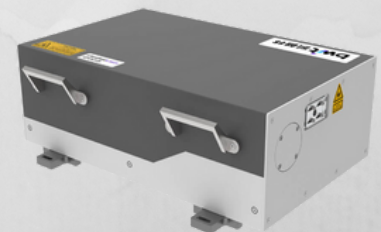
30W Picosecond Green Laser



20W50µJ IR Femtosecond
Laser

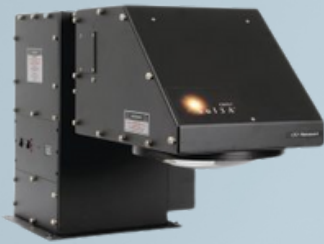


High Power and Narrow Pulse
Width IR Femtosecond Laser



Incoherent Light Sources

UV to IR, Low to High Power, Pulsed or Continuous, Coherent or Incoherent



Laser Power Meter

Industry leading tools for measuring the power or energy of an optical beam, profiling a laser, locating the position of a beam, analyzing the spectrum, or characterizing a laser pulse.

Laser Diode Control

Industry Leading Laser Diode Instrumentation, Test Systems, and Mounts



mks

Newport Ophir Spectra-Physics



Power & Energy Sensors



Power & Energy Meters



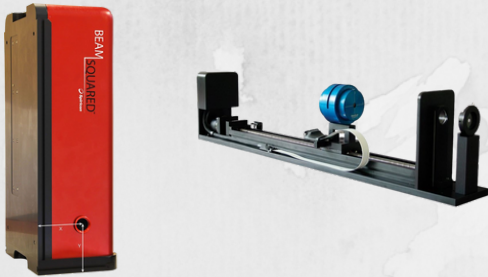
Power & Energy PC Interfaces



Beam Profilers



M Squared - Beam Propagation Analysis



Beam Profilers - High Power Laser



LED Power Measurement

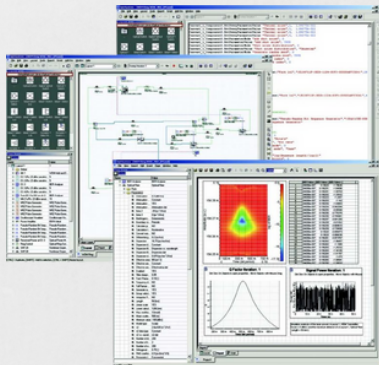


LED Irradiance & Dosage

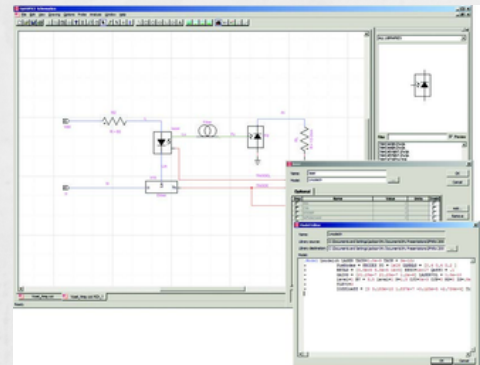




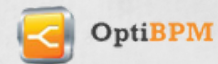
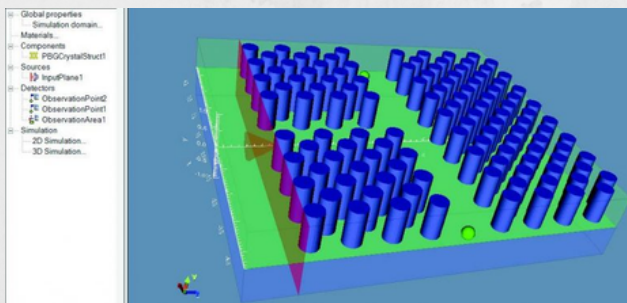
Optical Communication System & Amplifier Design System



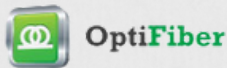
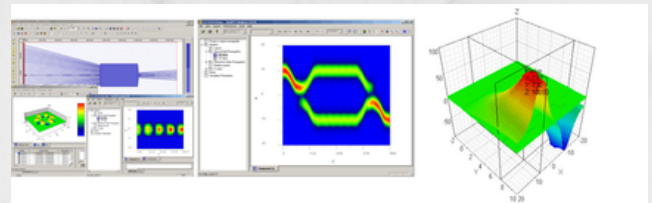
Opto-Electronic Circuit Design Software



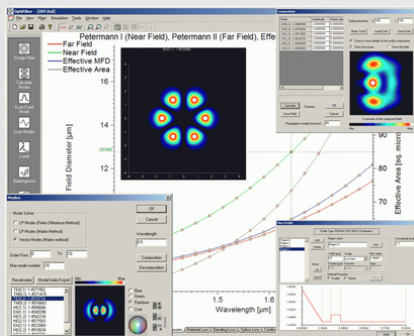
Finite-Difference Time-Domain Simulation Design



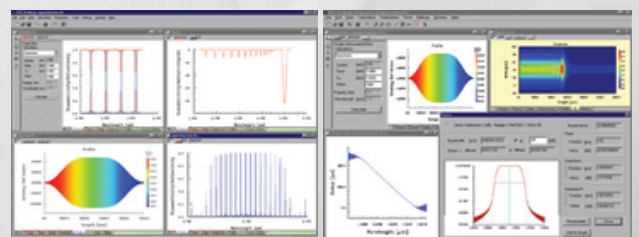
Beam Propagation Method



Optical Fiber Design Software.



Optical Grating



Bit Error Rate Testers (BERTs)

up to 800Gbps



Digital Sampling Oscilloscopes (DSO)

up to 400Gbps



Time Domain Reflectometer (TDR)

Connectivity Fault Detection



Optical Clock-recovery Modules (O-CR)

up to 400Gbps



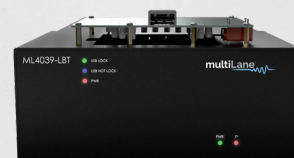
Optical Switch Boxes

up to 400Gbps



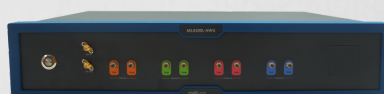
Loopback Tester

up to 400Gbps



Arbitrary Waveform Generators (AWG)

up to 400Gbps



Oscilloscopes



Waveform Generators



Spectrum Analyzers



Multimeters



DC Power Sources



AC Power Supply



Power Meter



Oscilloscopes

PicoScope® 2000 Series



PicoScope® 3000 Series



PicoScope® 6000 Series



Vector Network Analyzer

PicoVNA® Vector Network Analyzers



Data Logger

PicoLog® 1000 Series



TC-08 Thermocouple Data Logger



TC-08 Thermocouple Data Logger



Platform



Optical Sources & Amplifiers



Optical Signal Conditioning



Optical Signal Switching & Routing



Optical Power & Spectral Measurement



DWDM & ROADM Testing



Fiber Inspection and Cleaning



Environmental Test System



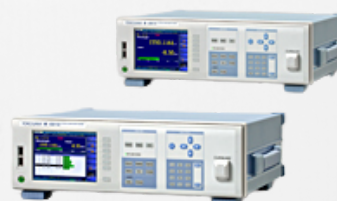
IL & RL Testing



Optical Spectrum Analyser



Multiwavelength Meter



High Speed Network up to 100Gbps



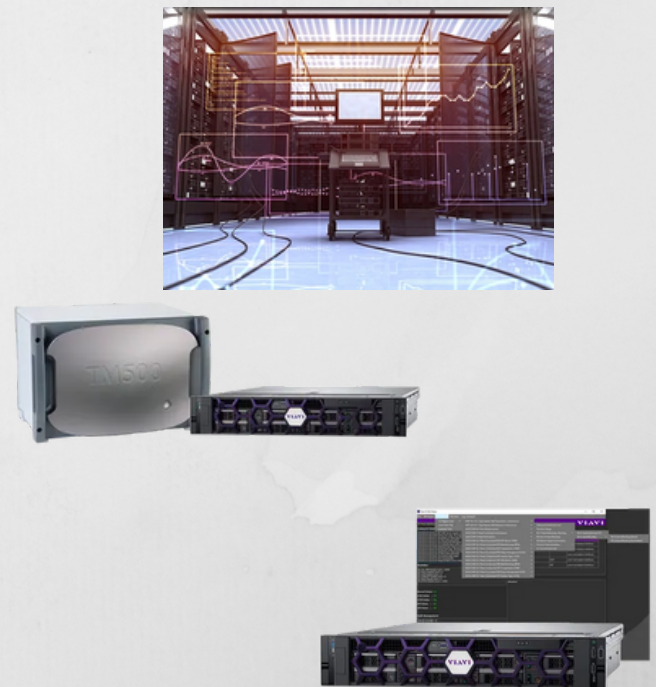
High Speed Network up to 400Gbps



High Speed Network up to 800Gbps



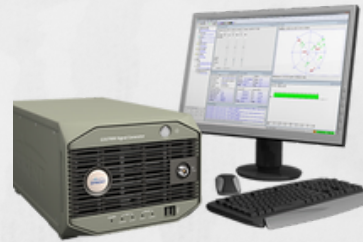
5G Lab and Performance Test



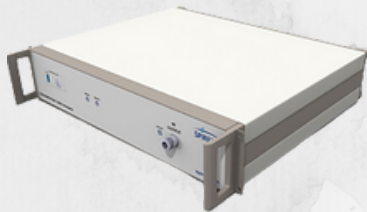
GSS9000 Series GNSS Simulator



GSS7000 GNSS Simulator



GSS6300M GNSS Simulator



GSS9790 GNSS Wavefront Simulator



SimINERTIAL Sensor Emulation Software

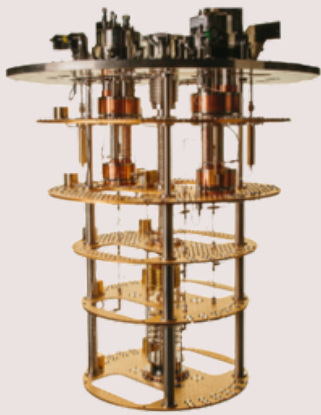


SimHIL Integrated Hardware-in-the-Loop Testing



GSS6450 Record & Playback System





Dry Systems



Solenoid Magnets

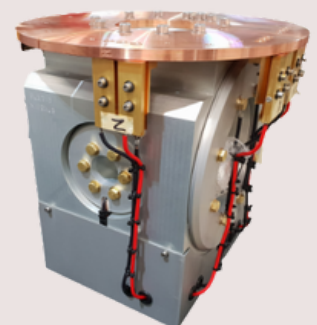


Wet Systems

Split-pair Magnets



Vector Magnets





KUMPULAN ABEX SDN BHD

[Co. Reg. 198801000020 (167376-M)]

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