

CMA 5000

Video Inspection Probe Application



Ideal Solution For Any Test Scenario

As a part of the CMA 5000 platform, the VIP application is just one other way to accelerate the deployment of services while reducing the cost of measurement. With test and measurement options ranging from OTDR, return loss and dispersion to optical spectral analysis, bit error rate, SONET/SDH analysis and Gigabit Ethernet, the CMA 5000 is the ideal single-solution for all your testing needs.

The Video Inspection Probe (VIP) application for the CMA 5000 gives operators a safe, easy way to analyze and document connector conditions. Research reveals that up to 75% of all optical network failures are attributed to poor connector quality. With system loss and return loss budgets tightening, combined with the possibly high powered transmission lasers operating at 1 watt burning contaminated connectors, connector quality and inspection has never been so important.

Accelerate Network Deployment, Maintenance and Restoration

When your optical network deployment is off schedule or down, delay is not an option. The VIP application for the CMA 5000 can increase user efficiency via;

- **Ability to view back panel fiber connectors through the bulkhead without removing them**
- **“Pass” or “Fail” results with optional software evaluates connectors based on pre-determined criteria reducing analysis time and user subjectivity.**
- **Image-capture button conveniently located on the probe for one-handed operation**

The Video Inspection Probe uses a 1/3” CCD to convert connector images to a digital signal that is displayed on the CMA 5000 screen. Connector images can then be viewed or saved as a variety of common graphics files for later review or documentation of connector quality. The Video Inspection Probe has various adapters available to allow direct viewing of patch cord end faces, as well as, for viewing of end faces already installed in patch panels. Furthermore, since there is no path to the human eye the VIP application eliminates the possibility of injury as with traditional connector microscopes.

Added Value Through Performance

The features and functionality of the VIP application provides flexibility in all aspects of operation, such as;

- **Interchangeable adapters for all popular connector styles including angled polish**
- **Compact, one cable design with USB interface**
- **CMA 5000, Laptop PC or handheld display (optional) operation**

Video Inspection Probe Specifications	
Magnification	400x digital probe
Interface connection	USB
Connector Tips	Standard: 1.25 mm and 2.5 mm Universal, FC, SC, ST
Camera	1/3" CCD
Operational temp.	0° to 50° C
Storage temp.	-20° to 50° C
Filter	Up to +30 dbm
Software	Windows 2000, ME, XP compatible
Image storage format	JPEG, BMP, PNG

Order Configurations	
Order Number	Description
OPTION-545VIP	Basic kit includes 400X digital probe, USB module, basic viewing and image capture software, FC/ST/SC/1.25mm and 2.5mm universal connector tips
OPTION-546VIPA	Advanced kit includes 400X digital probe, USB module, basic viewing and image capture software, FC/ST/SC/1.25mm and 2.5mm universal connector tips, advanced (pass/fail) software and hard carry case
OPTION-548USB-UPG	USB key and advanced software upgrade for OPTION-545VIP (upgrades OPTION-545VIP to OPTION-546VIPA)

Accessories for the Digital Video Inspection Probe	
Order Number	Description
FS-PT-USB	Replacement USB module
FS-PT-P500	Replacement 400X digital probe for use with USB module
FS-PT-USB-CASE	Hard case for digital video inspection probe
FS-PT-FC	FC bulkhead tip
FS-PT-AFC	FC-APC bulkhead tip
FS-PT-LC	LC bulkhead tip
FS-PT-MTRJ	MTRJ bulkhead tip
FS-PT-MU	MU bulkhead tip
FS-PT-SC	SC bulkhead tip
FS-PT-ASC	SC-APC bulkhead tip
FS-PT-ST	ST bulkhead tip
FS-PT-U25	Universal 2.5 mm patch cord tip
FS-PT-U125	Universal 1.25 mm patch cord tip
FS-PT-MIL1S	MIL-1 socket side tip
FS-PT-MIL1P	MIL-1 pin side tip
FS-PT-MIL2S	MIL-2 socket side tip
FS-PT-MIL2P	MIL-2 pin side tip



NetTest A/S
 Kirkebjerg Allé 90
 DK-2605 Brøndby
 Denmark
 Tel: +45 72 11 23 00
 Fax: +45 72 11 23 50
 E-mail: nordic@nettest.com
 Web: www.nettest.com

NetTest Sales Offices

Australia	+61 3 9890 6677	Italy	+39 02 95 12 621
Brazil	+55 11 5505 6688	Mexico	+52 5557 8249
Canada	+1 905 479 8090	Singapore	+65 6220 9575
China	+86 10 6467 9888	Spain	+34 91 372 92 21
Denmark	+45 72 11 23 00	Sweden	+46 8 555 410 65
France	+33 1 61 34 34 61	UK	+44 (0) 1883 349 110
Germany	+49 89 99 89 01 0	USA	+1 315 266 5000

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