

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

JDSU

JDSU FBP-PX500 Video inspection QuickCapture probe microscope, NTSC, 200/400X, 6-pin out w/o USB/barrel

The JDSU FBP-PX500 is a video inspection probe microscope designed for quick capture and analysis of fiber optic connector end-faces. It features NTSC video output, 200X/400X magnification, and a 6-pin output connector. It does not include USB or barrel connector.



MODEL

JDSU FBP-PX500

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FBP-PX500

LISTING

<https://aumictechlabs.com/products/fbp-px500-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The JDSU FBP-PX500 is a handheld video inspection probe microscope engineered for rapid visual assessment of fiber optic connector end-faces. This instrument delivers real-time NTSC video output to compatible displays, enabling field technicians to identify contamination, scratches, and physical damage that degrades network performance. The probe features dual magnification (200X and 400X), coaxial blue LED illumination, and a QuickCapture button for instant image capture - making it ideal for inspecting connectors in confined spaces such as patch panel rear panels and transceiver housings. Technical Specifications Magnification: 200X and 400X dual settings Horizontal Field of View: 550 μ m at 200X; 350 μ m at 400X Video Output: NTSC analog format Image Sensor: 1/3-inch CMOS Light Source: Internal blue LED, >100,000 hour

lifespan Illumination Method: Coaxial configuration Focus Control: Adjustable, integrated into probe housing Connector: 6-pin Hirose output (power, video, QuickCapture switch); excludes USB and barrel connectors Physical Dimensions: 140 × 46 × 43 mm (5.5 × 1.8 × 1.7 in) Weight: 180 g (6.35 oz) Power Source: Connected display device or USB module Key Features QuickCapture™ button enables single-action fiber end-face image capture on compatible test platforms Ergonomic handheld design with rugged field-rated construction On-probe focus adjustment for precise end-face imaging Coaxial illumination eliminates glare and shadow artifacts typical of side-lighting approaches Typical Applications Inspection of simplex and multi-fiber (ribbon) connectors Male (patch cord) and female (bulkhead) connector end-face assessment Optical transceiver and device port inspection Field verification in restricted-access locations Compatibility & Integration Designed for JDSU T-BERD/MTS platform integration Compatible with PC/laptop systems via analog-to-digital converter 6-pin to 4-pin adapter (FBPP-DPAC1) required for legacy 4-pin display systems

Features & description

From manufacturer datasheet

Features

• Magnification: 200/400X - Video format: NTSC - Connector: 6-pin Hirose - USB on probe: no - Barrel assembly included: no - Camera: 1/3-in CMOS - Light source: blue LED, internal, 100,000+ hours - Lighting: coaxial - Focus: adjustable, in-probe - Power: from display device / USB port (per configuration) - Size: 46 × 43 × 140 mm • Weight: 180 g - Horizontal FOV @ 200X: 550 µm - Horizontal FOV @ 400X: 350 µm - Compatible with 250+ FBPT inspection tips and adapters - QuickCapture button on QuickCapture models

Applications

• Inspect bulkhead (female) and patch cord (male) fiber connectors - Inspect hard-to-reach optical devices / transceivers - Use with JDSU display devices and FBPT tips/adapters

FBPPX500 Characteristics / Specifications

PARAMETER	VALUE
Technical Specifications Model	FBP-PX500 Manufacturer: JDSU Instrument Type: Fiber Inspection Probe Microscope Alias: FBP-PX500; JDSU FBP-PX500
Magnification	200/400X Format: NTSC Output: 6-pin Hirose USB: no Barrel: no FOV 200X: 550 µm FOV 400X: 350 µm Weight: 180 g Dimensions: 46 × 43 × 140 mm Notes Specs from JDSU FBP Probe Microscope data sheet (FBP-PX500 row). Confirm included tips/display cable on the unit.
Weight	180 g - Horizontal FOV @ 200X: 550 µm - Horizontal FOV @ 400X: 350 µm - Compatible with 250+ FBPT inspection tips and adapters - QuickCapture button on QuickCapture models

FBPPX500 Specifications

PARAMETER	VALUE
Key Features	- Magnification: 200/400X
Technical Specifications	Model: FBP-PX500
Notes	Specs from JDSU FBP Probe Microscope data sheet (FBP-PX500 row). Confirm included tips/display cable on the unit.

Specifications

PARAMETER	VALUE
Magnification	200/400X
Format	NTSC
Output	6-pin Hirose
USB	no
Barrel	no
FOV 200X	550 μm
FOV 400X	350 μm
Weight	180 g
Dimensions	46 × 43 × 140 mm

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications Model: FBP-PX500 Manufacturer: JDSU Instrument Type: Fiber Inspection Probe Microscope Alias: FBP-PX500; JDSU FBP-PX500

Magnification: 200/400X Format: NTSC Output: 6-pin Hirose USB: no Barrel: no FOV 200X: 550 µm FOV 400X: 350 µm Weight: 180 g Dimensions: 46 × 43 × 140 mm

Notes Specs from JDSU FBP Probe Microscope data sheet (FBP-PX500 row). Confirm included tips/display cable on the unit.

Specifications

PARAMETER	VALUE
Magnification	200/400X
Format	NTSC
Output	6-pin Hirose
USB	no
Barrel	no
FOV 200X	550 µm
FOV 400X	350 µm
Weight	180 g
Dimensions	46 × 43 × 140 mm

Technical Specifications

PARAMETER	VALUE
Model	FBP-PX500
Manufacturer	JDSU
Instrument Type	Fiber Inspection Probe Microscope
Alias	FBP-PX500; JDSU FBP-PX500

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 12, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.