DocCAM 20 HDBT
Ceiling-Mounted Document Camera

ORDERING INFORMATION
999-9968-000 (North America)

999-9968-001 (Europe/UK)

OVERVIEW
The DocCAM 20 HDBT is a high-definition, recessed in-ceiling document camera with 20x optical zoom, 1080p/60fps resolution and a 59.5° horizontal field of view to capture more of the table. Whether it's a video conference call, training session or online learning course, the DocCam In-Ceiling Document Camera provides best-in-class image quality at a price that won't break the bank.

WHAT'S INCLUDED
• DocCAM 20 HDBT camera

• PoE+ power injector with AC cord set(s)

• Mounting hardware for use in suspended ceilings*

• IR remote

Mounting kit 998-2225-152 is available separately for use in hard ceilings.

FEATURES
• Exmor® 1/2.8 type, high-speed, low-noise image sensor for 2.38 megapixels total, full HD (native 1080p/60)

• 20x optical zoom with horizontal field of view from 60° (wide end) to 3.3° (tele end)

• Low-power laser pointer for centering

• Superior low-light performance (0.4 Lux)

• Web interface for remote administration and operation, integration-ready Telnet and serial RS-232 control, presenter-friendly IR remote control

• Use with a OneLINK device for power, video, and control:
  - **OneLINK HDMI** – uncompressed HDMI video, bidirectional RS-232 connectivity for camera control via third-party equipment, passes IP stream from the camera
  - **OneLINK Bridge** – OneLINK HDMI capabilities plus uncompressed USB 3.0 streaming, HD-SDI output, and audio routed up to the camera and injected into the IP stream

CONNECTOR PANEL
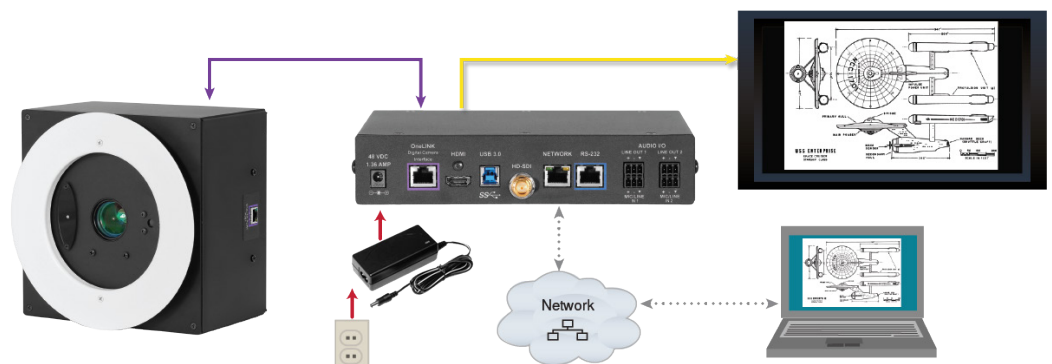The DocCAM 20 HDBT has one connector, the OneLINK/HDBaseT connector. When installed, the connector points in the direction of the top of the document or other camera subject – for example, toward the audience in a lecture hall. The camera has no physical switches. Hardware configuration is via the web interface. This is it: The Art of Easy.

TECHNICAL SPECIFICATIONS

Camera & Image	Image device	1/2.8-type Exmor® CMOS sensor, full HD
	Pixels	2.14 million (effective), 2.38 million (total)
	Lens	20x optical zoom, f=4.7mm wide end to 94mm tele end, F1.6 to F3.5
	Horizontal FOV	60º wide end to 3.3º tele end
	Min. working distance	10mm (wide), 1m (tele)
	Max. installation height	30 ft (9.1 m)
	Min. illumination	0.4 lux – F1.6, AGC On, 1/30s (100+ lux recommended)
	Backlight compensation	On/off
	Aperture/detail	16 steps
	Focusing system	Auto/Manual
	Gain	Auto / Manual (28 steps)
	White balance	Auto, ATW, Indoor, Outdoor, One-push, Manual
	S/N ratio	More than 50 dB
	Noise reduction	On/Off, 6 Steps
	Sync system	Internal
	Power	PoE+
	Remote management	IR Remote, web interface, Telnet and RS-232 command APIs
Physical & Environmental	Weight with tile support and trim ring	5.05 lb (2.3 kg)
	Height	4.25 in (10.8 cm)
	Width	8 in. (20.3 cm)
	Depth	8 in. (20.3 cm)
	Operating/storage temperature	0°C to +40°C (32°F to 104°F)
	Operating/storage humidity	20% to 80% RH, non-condensing
	Bezel ring outer diameter	6.25 in (15.9 cm)

Specifications are subject to change without notice.

BASIC CONNECTION

This diagram shows basic connections with a OneLINK Bridge AV Interface providing camera power, control and video from the camera to other devices.

Note: The OneLINK device is not required; the camera can be connected directly to a third-party device with a PoE+ power injector.

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