

# 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.



## 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.



## 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

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## TECHNICAL SPECIFICATIONS

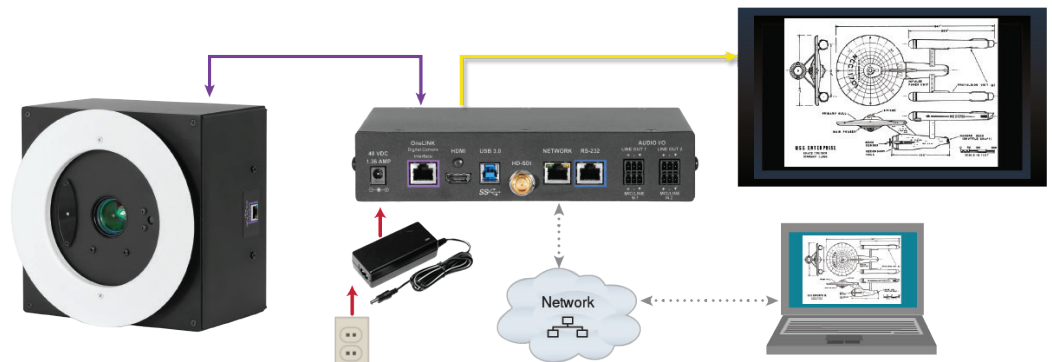
Camera & Image	Image device	1/2.8-type Exmor® CMOS sensor, full HD
	Pixels	2.14 million (effective), 2.38 million (total)
	Lens	20x optical zoom, f=4.7mm wide end to 94mm tele end, F1.6 to F3.5
	Horizontal FOV	60° wide end to 3.3° tele end
	Min. working distance	10mm (wide), 1m (tele)
	Max. installation 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)

The DocCAM 20 HDBT is a Class 1 Laser Product (IEC 60825-1:2014)  
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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