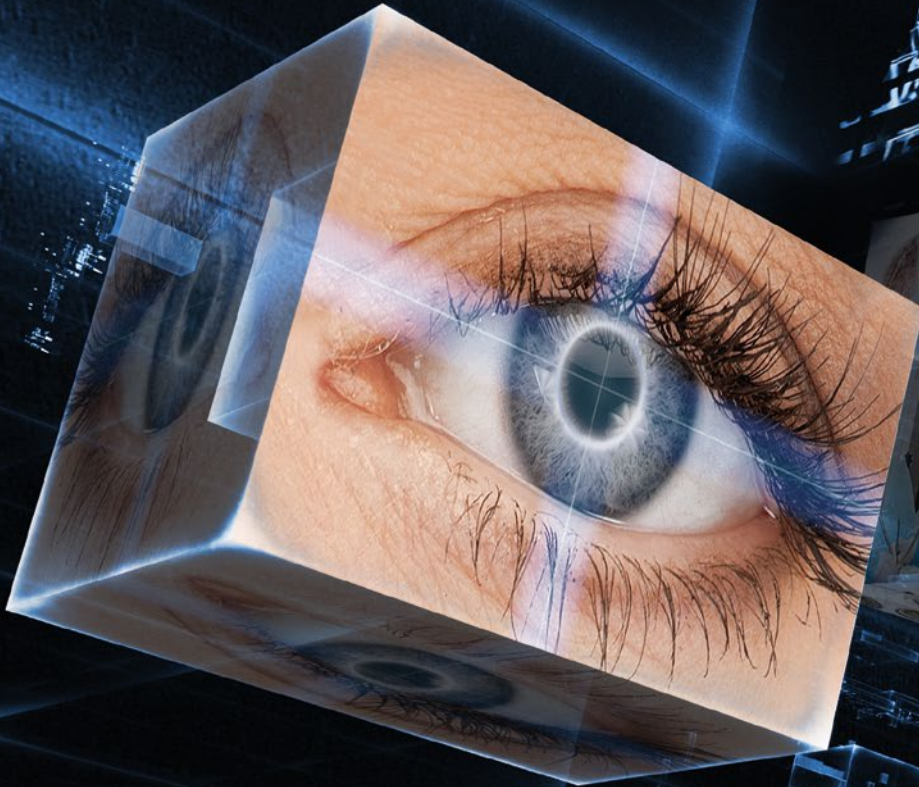




Panasonic
BUSINESS



THE NEXT GENERATION OF TECHNOLOGY

THE 4K OEM MICRO CAMERA GP-UH532

- » High Resolution with up to 1600 TV lines
- » 1/3 inch MOS image sensor
- » Excellent color reproduction
- » HDMI & 3G-/HD-SDI simultaneous video outputs
- » Space-saving design & ease of integration



4K ULTRA HD OEM MICRO CAMERA SYSTEM

GP-UH532 OEM SERIES

Technology

The OEM 4K Ultra HD OEM micro camera system uses 1/3 inch progressive color MOS chips (3MOS). The camera head GP-UH532HU indicates a space-saving design due to the small size. By considering a required illumination of 2000lx at F8, the camera achieves horizontal resolution of 1600 TV lines and allows precise pictures and brilliant color reproduction in various applications in segments such as ophthalmology, neurosurgery or endoscopy.

Components

Panasonic supplies high quality and state-of-the-art 4K OEM components, which can be easily integrated into equipment or systems for different application areas.

The following 4K Ultra HD OEM (GP-UH532) components are available:

- » 4K Camera Head Unit (GP-UH532HU)
- » Camera Control Board (GP-UH532CU)
- » 2K Recording Board (GP-RC100CB)
- » Camera Head raw Cable (GP-UC15006B)
- » Connection Kit (GP-UH532JU)

The new Connection Kit (GP-UH532JU) harmonizes perfectly with Panasonic 4K OEM Boards, helping to reduce the development time and unexpected risks.

Specification GP-UH532

Model name	Camera head	GP-UH532HU
	Control unit	GP-UH532CU
Image sensor		1/3" progressive color 3MOS
Lens mount		C-Mount (removable)
Synchronization		Internal/External
Video output	Output	HDMI x 2ch (Ultra HD/Full HD)
		3G/HD-SDI x 4ch (Ultra HD), 3G/HD-SDI x 1ch (Full HD)
Video format	HDMI	3840x2160/59.94p, 3840x2160/50p, 1920x1080/59.94p, 1920x1080/59.94i, 1920x1080/50p, 1920x1080/50i
	SDI	3840x2160/59.94p, 3840x2160/50p, 1920x1080/59.94p, 1920x1080/59.94i, 1920x1080/50p, 1920x1080/50i
Required illumination		2000lx
S/N		54dB at F8
Horizontal resolution		1600 TV lines at center
External control		EVR (serial)
Operation temperature range		0°C to 40°C
Operation humidity range		30° to 90° (Not Condense)

System Components



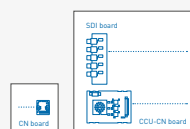
GP-UH532HU Remote Camera Head

- » 1/3" 3MOS imaging sensor
- » High sensitivity
- » F8 at 2000lx
- » Head switch possibility



GP-UH532CU CCU Control Board

- » Supports GP-UH532HU head
- » User profile function
- » Outputs: 3G/HD-SDI
- » Remote control



GP-UH532JU Connection Kit

- » CCU & Head Connector Board
- » HD-SDI Board
- » FPC cable, 2x coaxial thin line cables



GP-RC100CB Recording Board

- » Supports 2K recording only
- » Trigger input and footswitch connector
- » USB PIN connector
- » RJ45 (streaming & web access)



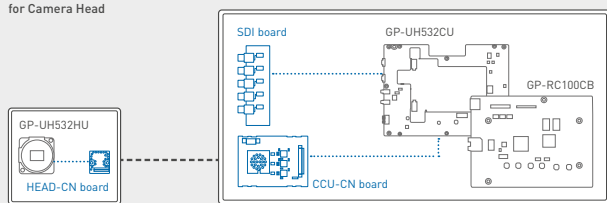
GP-UC15006B Cable Component

- » Non-assembled raw cable in white/ black (Ø 5mm ± 0.3mm)
- » Suitable for medical applications
- » Outer jacket material: PVC

System Connection

OEM Components for Camera Head

OEM Components for CCU



Included in the Connector Kit (GP-UH532JU)

Output Formats

The 4K Ultra HD OEM micro camera supports the video formats 3840x2160/59.94p, 3840x2160/50p, 1920x1080/59.94p, 1920x1080/59.94i, 1920x1080/50p and 1920x1080/50i. The different video formats can be outputted via 2x HDMI and 5x 3G-SDI, simultaneously.



Panasonic BUSINESS

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