



Main Camera - Light Features: HD-4K Underwater camera with spotlight embedded

Camera:

This 4K camera module is based on SONY IMX415 CMOS image sensor. Its low light sensitivity delivers exceptional clear color images even at extremely low light or even no light (nearly 0 lux) conditions. It is capable of streaming frame rate 25 fps at 4K (3840 x 2160) resolution. Underwater Camera is suitable for both close up and general survey work up to 350 m water depth.

Total weight: 400 gr

Lens (mm): 2,8 mm / 3,6 mm (on demand)

Field of view : 120° / 100° in air

Type: Digital AHD -XVI Camera

Minimum Illumination(Lux): 0.0001Lux

Resolution: HD 4K - 3480(H) x 2160(V)

Sensor: 1/2.8" Sony IMX415 + TP3818

Power Consumption(W): 12V 550mA (or 24v on demand)

Power Supply(V): 12V (or 24v on demand)

Dimensions (L x D)(mm): 50mm x 46mm (Diameter)

Sensor: CMOS

High Definition: 8 Megapixels

Video Compression Format: H.265+

Maximum depth of use: 350 mt (tested)

Container made of Delrin black

Scratch Proof front glass

Max length of the video umbilical : 500Mt – through coaxial cables or twisted

Sub connector: MCBH-4-M (or other on demand)



Menu setup of the video processor embedded by means of the surface unit MiniExplorer HD Plus:

BRIGHTNESS; CONTRAST; HUE; SHARPNESS; WBRB; WBG; MIRROR; FLIP; ICR SWAP;
IMG STYLE; ANTI MOIRE; ANTI ALIASING; EXPOSURE; D/N MODE; BW BUST; ANTI FLIKER; BACK LIGHT; DENOISE LEVEL;
D/N SWITCH; AE REFERENCE; WDR; PREVENT EXPOSURE; STANDARD VIDEO- PAL/NTSC ; NRT.

The systems feature remote lighting control, has a digital zoom , real time and in playing, and the camera lens is a fixed lens auto-focus, auto iris, remote or auto colour balance control with manual iris override feature.

Spotlight:

Dimensions (L x D): 50mm x 46mm (Diameter)

Led module intensity: 4000 lumens 6500K

Power: 11-15 VDC / AC or 24VDC / AC on demand

Absorption: 800 mA

Angle: 120° in Air

Operating Temperature: -35° / +85°

Built-in current limiter

Scratch Proof front glass

For further info and demo movies please visit our website at :

<https://www.vicsystemsm.com>