

DATASHEET

Rayfin-HDE-GigE-3000-DBH13-UO

Sensor and Lens

Sensor: Exmor RS™ 1/2.4"

Lens: 1.9mm f/1.8

Imaging

Max shutter speed: 1/32500

Max Framerate: 30FPS

Max Still Rate: 3Hz

Zoom: 21MP sensor crop 10x zoom

Electrical

Live video: IP Ethernet, Composite

Protection: Short circuit, UV-OV, ESD, OT

Mechanical

Materials: Sapphire, Grade 5 Titanium

Weight: 1.6Kg in water, 3.2Kg in air

QC parameters of UltraOptics (UO)

Diagonal FOV

Distortion (Pincushion)

Sharpness MTF50 (Cycles/Pixel)

Chromatic Aberration (Area Pixels)

Pixel count: 21MP

Max image size: 5344 x 4008

Max video resolution: 4K UHD

Recording codec: H.265 (HEVC), H.264

Streaming codec: H.264

Internal recording capacity: 512 GB

Control: Ethernet, Serial RS232/485

Power: 16.5-32.5 Vdc [7.5W idle, 8.5W recording, 13.5W peak]

Depth Rating: 6000m

Max in-water operating temp: 30°C

APPROVED: 2018-09-07

Software: AR

Mechanical: B.Lackey

Electrical: C.Collett

Production: J. Hibbs

Customer approval:

Name: _____

Signature: _____

Quote #: _____

Updated:

2019-03-22

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Subconn MCBH5F [AUX0 Port]	Subconn MCBH5F [AUX1 Port]	Subconn DBH13M + DLSA-M [IP, Serial]	#
GND	GND	GND	1
PWR	PWR	Iso GND (Shield) (NC on system end)	2
AUX0 Out	AUX1 Out	PWR	3
AUX0 RS-232 Tx / RS-485 B(-)	AUX1 RS-232 Tx / RS-485 B(-)	(Brown) TP4-	4
AUX0 RS-232 Rx / RS-485 A(+)	AUX1 RS-232 Rx / RS-485 A(+)	(White/Brown) TP4+	5
Important notes: - SubC bulkheads are wired to Ethernet B standard. - 13 pin bulkhead is limited to 4A per pin. The camera automatically limits power to the LEDs. - In-line cable part number for Ethernet bulkhead: Subconn DIL13F + DLSA-F		(Blue) TP3-	6
		(White/Blue) TP3+	7
		(Orange) TP1-	8
		(White/Orange) TP1+	9
		(Green) TP2-	10
		(White/Green) TP2+	11
			12
		Composite	13

