

Osiris M IPS - Image Processing System

Product brief



Product Specification:

IPS Specification:	
Input:	Up to 2 Osiris M Modules
Supply:	12V DC, max. 2.0 A
Output Interfaces:	HDMI, USB 3.0 (A)
Approx. Dimensions:	160 mm x 165 mm x 31 mm
USB Image Output Format:	10 Bit Raw
HDMI Image Output Format:	8 Bit RGB 1080p (sensor image bilinear upscaled to 750 x 750)

Additional Equipment:

AC/DC Adaptor 12V 24W (Type C Plug / "Europlug")

USB 3.0 AA Cable

HDMI to HDMI Cable

USB interface evaluation software.



FPC Orientation (copper facing upwards)

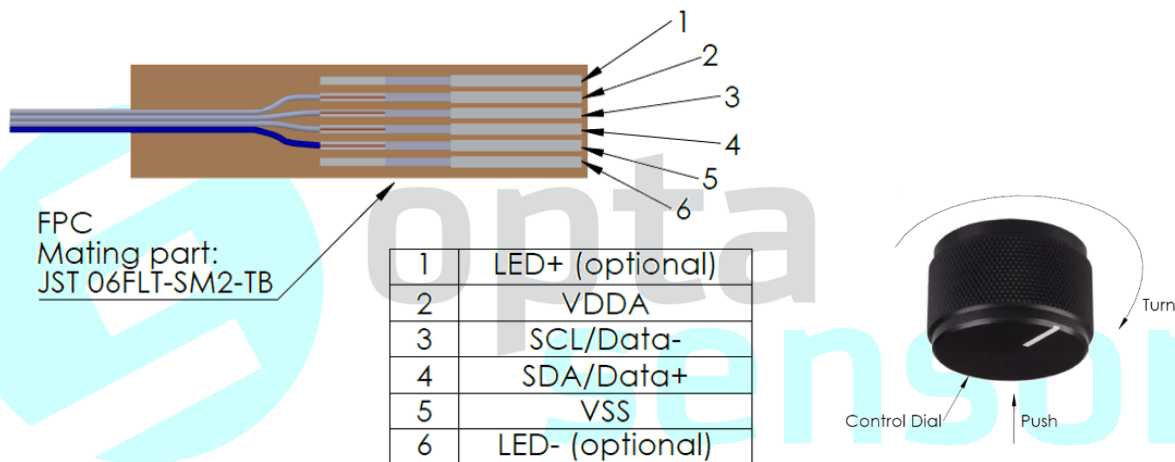
Product Features:

Realtime Image Processing Pipeline (Black Level Correction, Temporal Noise Reduction, Debayering, Color Correction, White Balancing, Gamma Correction, Histogram Stretching [Preliminary], HDMI Upscaling)

Optional LED Supply (LED Supply is off by default. Turn current on/off by pushing control dial. If current is activated there will be supply of 2 mA between LED+ and LED- pads of the FPC. By turning control dial it can be increased to up to 8 mA.)

Dual White Balancing Modes (There are 2 modes of white balancing and color correction. If LED current is off, processing is optimized for ambient light. If LED current is on, it is optimized for cold light)

Overcurrent Protection (galvanic isolation of sensor inputs)



FPC Pinning (copper facing upwards), Control Dial

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