

# VICTOREM™ 2KSDI-MINI



## 3G-SDI HDR CAMERAS

### APPLICATIONS

**Aircraft and Vehicle Recording**

**Test Range Instrumentation**

**Specialty Video Production**

**Security and Surveillance**



### FEATURES INCLUDE:

- High Quality Sony Global Shutter CMOS Sensor
- Dual 3G/HD-SDI Outputs
- 2K, 1080p, 1080i and 720p up to 60 fps
- C-mount or optional Active EF-mount
- 10-bit 4:2:2, 4:4:4, or RAW Output
- Compact One-Piece Rugged Design
- Synchronize Multiple Cameras via Tri-Level Sync
- Easy to Configure via on Screen Menu

**IOI**  
IO INDUSTRIES

# SPECIFICATIONS

<b>Camera Model</b>	<b>2KSDI-Mini</b>
<b>Sensor</b>	Sony Pregius IMX265
<b>Output Modes</b>	2K, 1080p, 1080i, 720p, up to 60 fps
<b>Optical Format</b>	1/2" (2K: 8.0mm diagonal, 720p/1080p/1080i: 7.6mm diagonal)
<b>Sensor Type</b>	CMOS w. global electronic shutter
<b>Sensor Options</b>	Color (Bayer) or monochrome
<b>Dynamic Range</b>	73.6 dB
<b>Output Interface</b>	Single-Link 3G/HD-SDI (SMPTE ST 292/424); dual outputs with optional OSD overlay on SDI1
<b>Output Format</b>	10-bit 4:2:2(Y'Cb'Cr'), 4:4:4 (RGB) or RAW (Bayer)
<b>Exposure Control</b>	Automatic (adjusts exposure, gain and/or iris if available) or manual exposure
<b>Image Enhancement</b>	Gamma (1D LUTs), master pedestal control, adjustable sharpening
<b>Color Control</b>	Auto white balance or calibrated presets, color correction matrix, RGB offsets, saturation control
<b>Synchronization</b>	Tri-level sync input
<b>Camera Configuration</b>	RS-485; use handheld remote for OSD, USB adapter for PC software or direct ASCII protocol
Mechanical/Electrical	
<b>Dimensions</b>	33.0 mm x 44.0 mm x 53.7 mm
<b>Lens Mount</b>	C-mount; optionally supporting Active EF-mount or DC Auto Iris lenses (see Ordering)
<b>Camera Mounting Points</b>	Top/Sides: 2x M3 x 0.5; Bottom: 4x M3 x 0.5; Tripod mounting plate available (P/N VICMOUNT)
<b>Weight</b>	140g
<b>Power Requirements</b>	3.6W, 7-19V DC
<b>Operating Temperature</b>	-10°C to 50°C, 20-85% humidity (non-condensing)
<b>Storage Temperature</b>	-40°C to 85°C, 10-90% humidity (non-condensing)
<b>Operational Shock/Vibration</b>	Tested per MIL-STD-810G Method 516.6, 3-axis Shock 75G and Method 514.6, 3-axis Vibration Cat. 20

## OUTPUT MODES

### Single-Link HD-SDI:

720p 10-bit 4:2:2/RAW:	50, 59.94, 60
1080i 10-bit 4:2:2/RAW:	50, 59.94, 60
1080p 10-bit 4:2:2/RAW:	23.98, 24, 25, 29.97, 30
2K 10-bit 4:2:2/RAW:	23.98, 24, 25, 29.97, 30

### Single-Link 3G-SDI:

1080p 10-bit 4:2:2/RAW:	50, 59.94, 60
1080p 10-bit 4:4:4:	23.98, 24, 25, 29.97, 30
2K 10-bit 4:2:2/RAW:	47.95, 48, 50, 59.94, 60
2K 10-bit 4:4:4:	23.98, 24, 25, 29.97, 30

## ORDERING

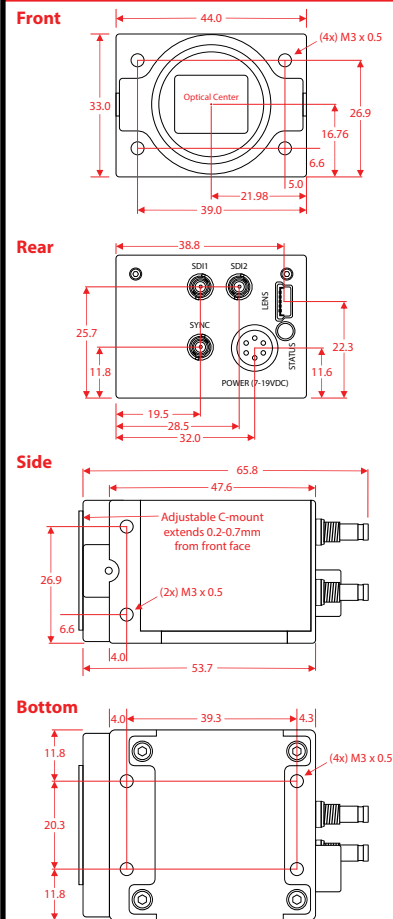
Part Number	Description
2KSDIMINI	Color camera, supports Active EF lens adapter
2KSDIMINID	Color camera, supports DC Auto Iris lens control

For a complete camera kit with common accessories, add "KIT" to Part Number, ie. 2KSDIMINIKIT. Includes selected camera, CABVICBATT, ACPWRTAP, 485HRMT, CABUSB4852M, and VICMOUNT.

## ACCESSORIES

Part Number	Description
VICPWRLIO	AC Power Adapter (Universal) with LEMO for RS485
CABVICBATT	Battery Power Cable with PowerTap connector and LEMO for RS485
ACPWRTAP	AC Power Adapter (Universal) with PowerTap connector
485HRMT	Handheld remote control w. RS485 interface, for camera control from on-screen display
CABUSB4852M	USB to RS485 adapter cable, 2m, for camera control from PC software
CABLEMO3M	RS485 extension cable (LEMO to LEMO), 3m
ADAPTER-C2EF	Lens Mount Adapter, C-mount to Active EF-mount, requires CAB2KMINIAEF
CAB2KMINIAEF	Adapter cable, connects 2KSDI-Mini to ADAPTER-C2EF
CAB2KMINIDCI	Adapter cable, connects 2KSDI-Mini to DC Auto Iris Lens
VICMOUNT	Tripod Mounting Plate, can be installed on all sides of camera

## MECHANICAL DIAGRAMS



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