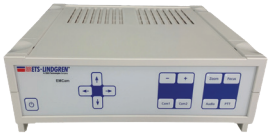
TEST ACCESSORIES EMCam™ CAMERA SYSTEMS





The EMCam Camera Systems provide color, high resolutions images, making the systems an ideal addition for an EMC lab and monitoring DUTs. The cameras are shielded up to 200 V/m (CW) and 600 V/m (PM) with a resolution of up to 2 Megapixel. The SD Camera Cam5 offers an economical solution with lower resolution with manual zoom and focus.

The HD Camera Cam6 system offers the best resolution available and is especially suited for when HD resolution (1080p) is needed (e.g. for monitoring HD displays) with 30 times optical zoom. The HD Camera includes wide dynamic range (WDR) and digital noise reduction (DNR) that eliminates noise, generating a distinct, clear image. The HD camera video signal is transferred uncompressed in HD-SDI (HD-CCTV) format to the controller making it ideal for optical post processing (e.g for automatic change or error detection during immunity testing using our VisionTRX™ advanced visual monitoring software).

MODEL EMCam 4350

- **Full HD: 1080p**
- **30 Times Optical Zoom**
- **Automatic/Manual Focus**
- **RF-Immunity 200 V/m (CW) and 600 V/m (PM) up to 18 GHz**
- **EMC Compliant to CISPR 25 Class 5**
- **Compact Housing: 108 mm x 80 mm x 158 mm (4.25 in x 3.15 in x 6.2 in)**
- **Controller Supporting Two HD Resolution Cameras**
- **VisionTRX Compatible**

Standard Configuration

- Power Supply
- Controller (Zoom, Focus, Pan/Tilt)
- Fiber Optic Cables: Variable Lengths
- Remotely Controlled Pan/Tilt
- Tripods and Wall Mounts

Options

- External DVR Device
- Monitor
- Battery

Standard Configurations

	4350-001	4350-002	4350-003	4350-004	4350-005	4350-006	4350-007
SD Camera Cam5	x						
Mini Monitor (3 in for Camera Setup)	x						
Video Converter	x						
Video Grabber	x						
HD Camera Cam6 (Qty. 1)		x	x	x	x		
HD Camera Cam6 (Qty. 2)						x	x
Pan, Tilt		x	x	x	x	x	x
HD Controller with Joy Stick		x	x	x	x	x	x
Mount: Wooden Tripod	x	x		x		x	x
Mount: Wall Bracket			x		x	x	x
Audio Intercom				x	x		x

TEST ACCESSORIES EMCam CAMERA SYSTEMS

Technical Specifications

Video Specifications	SD Camera Cam5	HD Camera Cam6
Resolution	Min. 550 TV- Lines	2.1 Megapixel (1920 x 1080 Full HD)
Minimum Illumination	0.05 Lux @ F1.6	1 Lux
Zoom	10 x Optical (Motorized), 12 x Digital	30 x Optical (Motorized)
Zoom	5.1 – 51 mm (Motorized)	4.3 – 129.0 mm (Motorized)
Angle of View	68 ° (Wide) to 6.7 ° (Tele)	(Horizontal) 71.3° (Wide), 2.58 (Tele)
Min. Object Distance	290 mm (Wide) – 800 mm (Tele)	32 cm (Wide)
White Balance	Automatic	Automatic
Control Link	860 nm Infrared LED	860 nm Infrared LED
Video Link	Analogue, 860 nm Infrared-LED	Digital, 1310 nm Laser
Video Signal System	System PAL-System (color) / NTSC-System (color)	HD-SDI
Image Device	EXview HAD, CCD	0.33 in Super HD, CCD
Mechanical/ Electrical		
Glass Fiber	50/125 µm Glass Fiber with ST- Patches	50/125 µm Glass Fiber, ST conn.
Operating Temperature/Humidity	0 °C to +50 °C / 20 to 80 % RH	0 ° to +50 °C / 20 to 80 % RH
Housing	Aluminium (6 mm)	Chromated Aluminium (6 mm)
Immunity	200 V/m up to 18 GHz	200 V/m up to 18 GHz
Compliance	CISPR 25 Class 5, -10 dB	CISPR 25 Class 5, ISO 11452
Physical		
External Dimensions (H x W x L)	88 mm x 60 mm x 98 mm (3.46 in x 2.36 in x 3.86 in)	108 mm x 80 mm x 158 mm (4.25 in x 3.15 in x 6.2 in)
Weight	Approx. 0.7 kg (1.5 lbs)	1.45 kg (3.2 lbs)

Technical Specifications Controller for HD Camera Cam6

Mechanical/ Electrical	
Power Supply	12 V DC, Max 1 A
Fuse	T 1 A
Camera Control	Microprocessor
Video Signal Transmission	1310 nm
Control Line	850 nm
Fiber Optic Cables	50/125 µm Fiber Optic with ST-Connectors, Duplex
Audio Transmission	850 nm
Physical	
Temperature	0° C (32° F) to +50° C (122° F)
Humidity	20% to 85% RH
Housing (H x W x D)	Plastic with EMC Protective Coating, 310 mm x 275 mm x 87 mm (12.2 in x 0.8 in x 3.42 in)

Information presented is subject to change as product enhancements are made.
Contact ETS-Lindgren Sales Department for current specifications.

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