IV600

iBLOCK
Integrated camera solutions

HDMI

HD-SDI

IP

Description

The new **IV600** HD **iBLOCK** camera has an integrated 3X Optical zoom along with a ½.8 Exmor CMOS image sensor. The **IV600** achieves 1080p resolution at 30fps w/ superb sensitivity in low light environments. Using the Sony FCBEH600 block module you can expect high quality video & long term durability. HDMI, HD-SDI & IP output versions are available.

iBLOCK is a new line of integrated cameras & bundled solutions from **IVS**IMAGING that are unrivaled in functionality and performance. From High Definition to Standard Definition, IVS offers a wide selection of video & control interfaces. The **iBLOCK** line provides you the capability to customize a complete camera solution built to your specifications.

Features

- HDMI, HD-SDI & IP Outputs (PoE also available)
- 1920 x 1080p @ 30fps (720p @ 60fps)
- 1/2.8" Type Exmor CMOS image sensor
- 3x Optical Zoom, 12x Digital
- 90 Degree FOV
- Auto Wide-D Mode automatically switches Wide-D feature on/off according to environmental luminance
- Additional Wide-D modes include Indoor, Outdoor, One-push white balance, ATW, Manual, and Sodium Vapor Lamp.
- Auto ICR, ideal for day/night functions at < 0.5lux (F1.6, 50IRE) with high-sensitivity mode ON

IVSIMAGING

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Model	Zoom	Resolution
IV600	**3X**	**1080P/720P**

Interfaces/Protocol

Camera Interface	HD/SDI, HDMI, IP, USB3
(IP) Network Protocol	RTSP, FTP, PPPOE, DDNS, NTP, UPnP, HTTP, DHCP
(IP) Network Function	Web Configuration, Software client or SDK

Sensor/Lens

Image Sensor	½.8-Type Exmor CMOS (Approx. 3.27 MP)
Lens	Motorized 3X Vari-focal lens f=3.0 mm (wide) to 9.0 mm (tele) F1.2 to F2.1
Angle of View (H,1080p mode)	Approx. 90-degrees (Wide)
Angle of View (H,720p mode)	Approx. 60-degrees (Wide)
Resolution	1080p/30, 1080p/25, 1080i/60, 1080i/50, 720p/60, 720p/50, 720p/30, 720p/25

Camera Features

White Balance	Auto, ATW, Indoor, Outdoor, Outdoor Auto, Sodium Vapor Lamp (Fix/Auto), One-push, Manual
Backlight Comp.	Yes
AE Control	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Slow AE
Shutter Speed	Shutter Speed 1/1 to 1/10,000 s, total 22 steps
Gain	Auto/Manual: -3 dB to +28 dB, +2 dB step/total 16 steps Max. Gain Limit: (+6 dB to +28 dB, +2 dB step/total 12 steps
Recommended Illumination:	100lx to 100,000 Lx
Focusing System	One Push AF, Manual Focus
Aperture Control:	16 steps

Video

Video Output: HD	Analog: Component (Y/Pb/Pr), Digital (Y/CB/CR) 4:2:2 via LVDS
Video Output: SD	NTSC/PAL
Signal System: HD	1080P/60, 50, 30, 25 720P/60, 50, 30, 25
Signal System: SD	NTSC, PAL

General Information

Operating Temp.	-5C to 60C (Storage Temp: -20C to +60C)
Dimensions	2.2"x 2.4"x 5.7" (LxWxH)
Weight	1.5 lbs
Power	5VDC to 5.5VDC (Less than 1.2W – zoom/focus inactive)

Applications

Surveillance	**Intelligent Traffic Systems**
Military/Police	**Inspection**
Outdoor	**Low Vision**

iNEX
Connect and manage IP and Analog cameras onto a single user interface.

IVSMOBILE
Connect & Manage IP and Analog cameras onto a single user interface made for rugged mobile environments like Emergency Responders, School Buses, Metro Trains, Cargo Trains, Fleet Vehicles & more

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Specifications and design are subject to change without notice. Conversions: 1" = 25.4mm Measurement conversions are approximate.