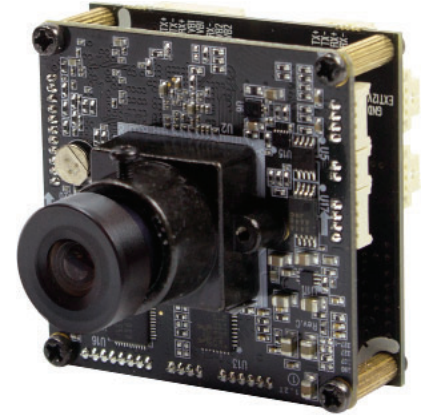




2MP IP Board Camera with DOL WDR 24M2.17IP Preliminary

Product Features

- New and Improved Ambarella Chipset!
- 2 Megapixel, IP camera, 1920x1080/ 30fps
- Remote field upgradable firmware
- Cross web browsing (IE, Edge, Safari, Firefox, Chrome) for full camera control, ActiveX is required (IE only)
- Power board includes PoE and 12VDC
- Simultaneously streaming of MJPEG & H.264 or MJPEG & H.265
- Zero configuration IP address (Zeroconf)
- DOL (Digital Overlap) WDR
- Simple-LDC (Lens Distortion Compensation)
- Functions: Motion Detection, Privacy Mask, BLC/HLC, D-Zoom, Mirror/Flip, Vertical View
- Adaptive web re-sizing depending on layout & resolution of display device by responsive web

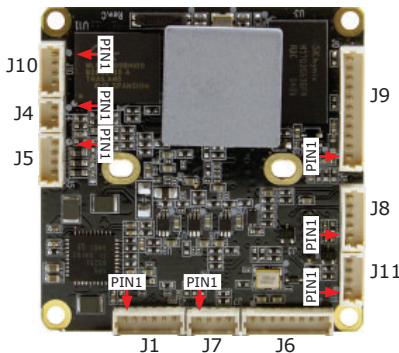


Shown with optional lens
(Processor & PoE double board camera)

Note: Significant heat transfer methods need to be implemented in customer's mechanical design

Connectors

Sensor/ Processor Board
Subject to change without notice



J10 USB
Molex: 53047-0410

01	VSUB +5.0V
02	USB_DM
03	USB_DP
04	GND

J9 SD
Molex: 53047-1110

01	DAT2
02	DAT3
03	CMD
04	PWR +3.3V
05	CLK
06	GND
07	DAT0
08	DAT1
09	CD
10	WP
11	FACTORY RESET

J8 AUDIO/ALARM
Molex: 53047-0510

01	AUDIO_IN
02	AUDIO_OUT
03	GND
04	ALARM_IN
05	ALARM_OUT

J11 IR_LED
Molex: 53047-0410

01	DC +12V
02	IR_LED_INPUT
03	GND
04	IR_LED ON/OFF OUTPUT

J7 CVBS (or UART)
Molex: 53047-0410

01	PHY_LINK
02	GPIO7_1 (or UART1_TXD)
03	CVBS_OUT (or UART1_RXD)
04	GND

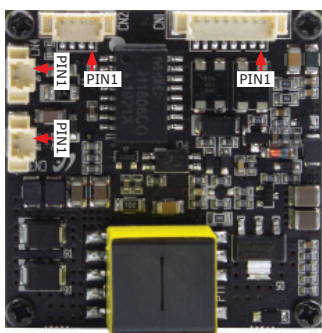
J1 Power & Network
Molex: 53047-0610

01	+12V
02	PHY_TX+
03	PHY_TX-
04	PHY_RX+
05	PHY_RX-
06	GND

J5 DC IRIS
Molex: 53047-0410

01	Drive -
02	Drive +
03	Control -
04	Control +

PoE /12V Board



CN1 Network
Molex: 53047-0810

01	TxA +
02	TxA -
03	RxA +
04	VB1
05	VB1
06	RxA -
07	VB2
08	VB2

CN3 Power OUT
Molex: 53047-0210

01	GND
02	+12V Output

CN4 AUX Power IN
Molex: 53047-0210

01	Aux. Input (+12V)
02	GND

CN2 Network
Molex: 53047-0410

01	TxB +
02	TxB -
03	RxB +
04	RxB -



Videology®

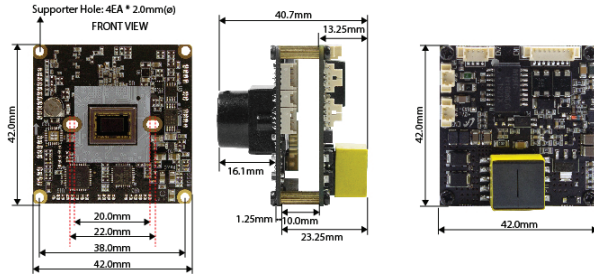
Industrial-Grade Cameras

an inTEST Company

2MP IP Board Camera with DOL WDR 24M2.17IP Preliminary

Dimensions

Sensor/Processor and PoE/12V Board



Technical Specifications

Electrical	24M2.17IP
Imaging Sensor	1/2.8" Sony 2.16MP, RGB Bayer Array CMOS Sensor IMX307LQR-C
Effective Pixels	1945 (H) x 1097 (V) approx. 2.13M pixels
Pixel Size	2.9µm (H) x 2.9 µm (V)
Sensitivity	Color: 0.24 lux B/W: 0.024 lux
Scanning Mode	Progressive Scan
Latency	260msec
Day & Night Mode	Automatic, Day, Night
WDR	DOL (Digital Overlap) WDR 120dB
DNR	3D-NR
Auto Exposure	Automatic (Priority: frame rate/low noise), manual
Shutter Speed Control	Automatic: min 1/135,000 sec ~ max 1/60 sec Manual: min 1/10,000 sec ~ max 1/30 sec
Gain Control	Automatic/ Manual - 54dB max (default: 1.2dB)
White Balance	ATW-Indoor/ Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Flame, Manual
Functions	Motion Detection, Privacy Mask, Tamper, D-Zoom (~x10), HLC/BLC, Mirror/Flip, LDC, Vertical View
Power Source	12VDC, PoE is 44.0VDC – 57.0VDC
Power Consumption	3.12W (260mA)

HTTP Control

Digital Zoom	8x
On Screen Display	On/Off
Back Light Compensation	On/Off
High Light Compensation	On/Off
Image Effect	Mirror, Flip
Privacy Mask	Max. 8 Area Selection
Tamper	On/Off
Video Motion Detection	Max. 4 Area Selection
Corridor Format	Yes
Lens Distortion Compensation	On/Off
Video Content Analysis	Line Cross / Field Intrusion / Appear / Disappear

Environmental

Operating Temp.	-10°C ~ 50°C (14°F ~ 122°F)
Operating Humidity	0~90% (non-condensing)

Mechanical

Dimensions WxHxD	42.0mm x 42.0mm x 7.3mm (w/o lens mount) with PoE Board
Weight	42.0mm x 42.0mm x 24.5mm (±5mm for cable overlap) (w/o lens mount)

Network

Video Compression	H.265 Main Profile, H.264 (High, Main, Baseline Profile) MJPEG
Video Resolution	1920x1080 (Full-HD), 1280x1024 (SXGA), 1280x720 (HD), 704x480 (4CIF/NT), 704x576 (4CIF/PAL), 640x480 (VGA), 352x288 (CIF), 320x240 (QVGA)
Video Frame Rate	30/25fps@1920x1080p
Video Streaming	Simultaneously H.265 and MJPEG or H.264 and MJPEG (Multi Streaming) Independent frame rate and bandwidth control, VBR/CBR mode
FTP Uploading	MJPEG Still Image
Event In	Onboot/Trigger/Network Loss/Tampering/Motion
Event Out Notification	E-mail, FTP
Login Authority	Administrator, Operator, Guest
Event Buffering	FTP: Pre/Post Event Time: 0~30sec, FPS: 1~2 fps
Manual Trigger	Still Image Capture
Security	Multi User Authority, IP Filtering, HTTPS
Network Time Sync.	Synchronize Computer/NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Auto Recovery	Backup, Restore
Remote Upgrade	Via web browser
Protocol	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf
Client Software	Built-In Web, ONVIF profile S compliant
Max. User Connection	10 Users
SDK Support	API ONVIF profile S compliant
SD Memory Card	Connector is supported, 32GB Max. (Not Included)

External IN/OUT

Ethernet Tx/Rx	RJ-45 (10/100Base-T)
IR_LED Control	IR_LED Control On/Off
Day & Night Control	IR_Cut_Filter Exchange
Iris Control	DC-Iris, Fixed
Alarm Control	Alarm-In 1/Alarm-Out 1
SD Card	SDHC/ SDXC
Digital Zoom	1.0x - 10x zoom
CVBS (or UART)	Composite Out (or Serial TX/RX)
Focus Control	One Push, Manual, (Automatic)
NTSC/ PAL	NTSC/ PAL composite Out
USB	5V connectivity for USB2 storage device
Power	DC +12V Input

www.videologyinc.com

HEADQUARTERS LOCATION

Videology Industrial-Grade Cameras
35 Hampden Road
Mansfield, MA 02048 | United States

EUROPE LOCATION

Videology Industrial-Grade Cameras
High Tech Campus 5
5656 AE Eindhoven | The Netherlands



All data subject to change without notice.
05/19/22 PDS-24M2.17IP revB Preliminary

Excellence.
Every day. Every time.