

A&E SPECIFICATION

Advidia B-31 4 MEGAPIXEL OUTDOOR DOME, WDR, 3.6X ZOOM LENS

SPECIFICATIONS

- A. Imaging
 - 1. Image Sensor: Aptina Progressive Scan CMOS
 - 2. Sensor Size: 1/3.2 inch (4.5x3.4 mm)
 - 3. Horizontal Resolution : 1422 TVL

- B. Minimum Scene Illumination
 - 1. Color: 0.1 Lux at F1.4 (2400 °K, 30 IRE)
 - 2. Black and White: 0.05 Lux at F1.4 (2400 °K, 30 IRE)

- C. Lens
 - 1. Focal Length: Zoom, f3.3~12 mm
 - 2. Aperture: F1.4~F2.9
 - 3. Zoom Ratio: 3.6x optical
 - 4. Iris: P-Iris.
 - 5. Focus: Auto Focus.
 - 6. Mount Type: Board mount
 - 7. Horizontal Viewing Angle: 77.22° - 22.62°
 - 8. Viewing Angle Adjustment:
 - a. Pan: 0° - 350°
 - b. Tilt: 0° - 180°
 - c. Rotate: 0° - 350°

- D. Day/ Night
 - 1. Day/Night switching : ISP based switch, configurable
 - 2. Mechanical IR Cut Filter: Yes

- E. Electronic Shutter:
 - 1. Auto Mode : 1/5 – 1/10,000 sec
 - 2. Manual Mode : 1/5 – 1/2,000 sec

- F. Functions
 - 1. Advanced WDR
 - 2. White Balance: Auto/ hold /manual
 - 3. Video Adjustment: Brightness/ Contrast
 - 4. Automatic Gain Control
 - 5. 2D+3D Digital noise reduction
 - 6. Flickerless
 - 7. Defogging
 - 8. Image Orientation: Image Flip / Image Mirror
 - 9. Privacy Masks: 3 regions in single view mode; 1 region each in 4 cropped VGA mode
 - 10. Text Overlay: User defined text on video
 - 11. Provide at least 32 Zoom preset points
 - 12. Alarm:
 - 12.1 Alarm Trigger:
 - a. Video motion detection: 3 motion regions in single view mode, 1 region each in cropped VGA mode
 - b. External device through digital input
 - 12.2 Alarm Response:
 - a. Notify control center

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- b. Go to Zoom preset point or preset tour
 - c. Change camera settings
 - d. Command other devices
 - e. E-mail notification with snapshots
 - f. Save video or snapshot to local storage
 - g. Upload video, snapshot to FTP server
 - h. Activate external device through digital output
- G. Compression: H.264/ MPEG-4 SP/ MJPEG.
- H. Picture Resolution:
 - 1. 2032 x 1920
 - 2. 1920 x 1080(HD 1080p)
 - 3. 1280 x 720(HD 720p)
 - 4. 640 x 480(VGA)
- I. Maximum Image Frame Rate:
 - 1. Single stream for H.264, MJPEG compressions:
 - a. 8 fps at 2032 x 1920
 - b. 15 fps at 1920 x 1080(HD 1080p)
 - c. 30 fps at 1280 x 720(HD 720p)
 - d. 30 fps at 640 x 480(VGA)
 - 2. Single stream for MPEG-4 SP compression:
 - a. 5 fps at 2032 x 1920
 - b. 11 fps at 1920 x 1080(HD 1080p)
 - c. 25 fps at 1280 x 720(HD 720p)
 - d. 30 fps at 640 x 480(VGA)
 - 3. 4 Cropped VGA Mode for all compressions
 - a. 15 fps at 640 x 480(VGA)
- J. Bit Rate: 28k – 6Mbps per stream; Support Constant and Variable Bit Rate Mode
- K. Multi-Streaming: Simultaneous dual streams based on two configurations in single view mode; multiple streams based on single configuration in 4 cropped VGA mode
- L. Audio
 - 1. Audio: two-way
 - 2. Compression: PCM 8 kHz, 16 bit encoding, mono; G.711 aLaw/uLaw
 - 3. Audio Input: 1, Terminal block
 - 4. Audio Output: 1, Terminal block
- M. Digital Inputs/ Outputs:
 - 1. Digital Inputs: 2 TTL type inputs, terminal block
 - 2. Digital Output: 2 TTL type outputs, terminal block
- N. Local Storage:
 - 1. MicroSDHC memory card slot(card not included)
- O. External Buttons:
 - 1. Factory Default Button
 - 2. Power Reset Button
- P. Networking
 - 1. Network Port: 1, Ethernet (10/100Base-T) via RJ-45 connector

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2. Protocol: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, ONVIF 2.2 Compliant
 3. Security: IP address filtering; HTTPS encryption; Password protected user levels; IEEE 802.1X network access control
- Q. Integration
1. ONVIF compliant
 2. Firmware Access Browser: Microsoft Internet Explorer 8.0 or newer
- R. Environmental Casing
1. Rating: Weatherproof - IP66 standard
 2. Transparent Vandal Proof dome cover: up to 659.23 KgF(1453.35 lbF)
 3. Conduit thread size: 3/4 inch
- S. Mount Type:
1. Surface, Pendant, Wall, Corner, Pole, Flush
- T. Power Source / Consumption
1. DC Power : 12 VDC / 10.2W (adapter not included)
 2. PoE : Class 3 (IEEE802.3af) / 12.24W
- U. Physical Characteristics:
1. Dimensions (Ø x H): 151.69mm x 114.9mm (5.97" x 4.52")
 2. Weight: 1200g (2.65 lb)
- V. Temperature
1. Starting Temperature: -10°C - 50°C (14°F - 122°F) within 30mins
 2. Operating Temperature: -30°C - 50°C (-22°F - 122°F)
- W. Operating Relative Humidity: 10% ~ 85% RH
- X. Approvals:
1. Camera: CE (EN 55022 Class A, EN 55024), FCC (Part15 Subpart B Class A), IP66
- Y. Warranty:
1. 3 years