

A&E Specification

Advitia B51 5-Megapixel Outdoor Zoom Dome with D/N, Adaptive IR, Basic WDR, 3x Zoom lens TECHNICAL SPECIFICATIONS

SPECIFICATIONS

- A. Imaging
 - 1. Image Sensor: Progressive Scan CMOS
 - 2. Sensor Size: 1/3.2 inch
 - 3. Effective Pixels: 2592(H) x 1944(V) (5.04 MP)
 - 4. Horizontal Resolution (TV lines): 1500 TVL
 - 5. S/N Ratio: 52 dB

- B. Minimum Scene Illumination
 - 1. Color: 0.1 Lux at F1.2 (2400 °K, 30 IRE).
 - 2. Black and White: 0 Lux (IR LED on).

- C. IR Illuminators
 - 1. IR Sensitivity Range: 700 – 1100 nm
 - 2. Adaptive IR LED (Object & Zoom Adaptive IR) x 10 (850 nm)
 - 3. IR Working Distance: 40m (0 Lux, 30 IRE, Max exposure gain)

- D. Lens
 - 1. Focal Length: Zoom, f3 ~ 9 mm
 - 2. Aperture: F1.2 ~F2.1
 - 3. Zoom Ratio: 3x optical
 - 4. Zoom Speed : 1 sec (1x to 3x)
 - 5. Iris: DC Iris
 - 6. Focus: Auto Focus
 - 7. Lens Mount Type: Board Mount
 - 8. Horizontal Viewing Angle: 85.7°- 30.5°
 - 9. Viewing Angle Adjustment: Pan: 0° - 350°; Tilt: 5° - 170°; Rotate:0°-350°

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

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

- G. Functions
 - 1. Basic WDR (74 dB)
 - 2. White Balance: Auto/ hold /manual.
 - 3. Brightness
 - 4. Contrast
 - 5. Automatic Sharpness
 - 6. Automatic Gain Control
 - 7. Digital Noise Reduction
 - 8. Flickerless
 - 9. Image Orientation: Image Flip / Image Mirror
 - 10. Text Overlay: User defined text on video
 - 11. Provide at least 32 Zoom preset points
 - 12. On-Screen Graphics: User defined image layer on video
 - 13. Calendar function with on-chip clock (Realtime clock)

- 14. Alarm:
 - 14.1 Alarm Trigger:
 - a. Video motion detection: 3 motion regions
 - b. Sound detection
 - c. External device through digital input
 - 14.2 Alarm Response:
 - a. Notify control center
 - 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

- H. Compression: H.264 (Baseline/ Main/ High profile) / MJPEG.

- I. Video Resolution:
 - 1. 2592 x 1944
 - 2. 2048 x 1536
 - 3. 1920 x 1080
 - 4. 1280 x 720
 - 5. 800 x 600
 - 6. 640 x 480

- J. Maximum Image Frame Rate:
 - 1. 15 fps at 2592 x 1944
 - 2. 15 fps at 2048 x 1536
 - 3. 30 fps at 1920 x 1080
 - 4. 30 fps at 1280 x 720
 - 5. 30 fps at 800 x 600
 - 6. 30 fps at 640 x 480

- K. Bit Rate: 28k – 6Mbps per stream; Support Constant and Variable Bit Rate Mode.

- L. Multi-Streaming: Simultaneous dual streams based on two configurations.

- M. 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

- N. Digital Inputs/ Outputs:
 - 1. Digital Inputs: 2 inputs, terminal block.
 - 2. Digital Output: 2 outputs, terminal block.

- O. Local Storage:
 - 1. MicroSDHC/MicroSDXC memory card slot(card not included)

- P. External Buttons:
 - 1. Factory default Button : 1 ,reset to factory default setting

- Q. Networking
 - 1. Network Port: 1, Ethernet (10/100Base-T) via RJ-45 connector.

2. Protocol: TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, ONVIF Compliant.
 3. Security: IP address filtering; HTTPS encryption; Password protected user levels; Anonymous login; IEEE 802.1X network access control.
- R. Integration
1. Fully compatible with Video Insight software
 2. ISV Integration: Software Development Kit(SDK) available ; ONVIF Compliant
 3. GPS position by manual setting
 4. Firmware Access Browser: Microsoft Internet Explorer 8.0 or newer (full functionality); Safari with QuickTime installed, and other browsers with VLC installed (partial functionality)
- S. Power Source / Consumption
1. DC Power (adapter not included) : 12 VDC / 8.4W (with Heater On)
 2. PoE Class 3 (IEEE802.3af) / 9.24W (with Heater On)
- T. Physical Characteristics:
1. Dimensions (Ø x H): 152.80 mm x 114.50 mm (6.0" x 4.5")
 2. Weight: 1256g (2.76 lb)
- U. Environmental Casing
1. Weatherproof (IP67)
 2. Vandal Proof (IK10)
 3. Transparent Dome Cover
- V. Mount Type
1. Surface, Pendant, Wall, Corner, Pole, Flush, Gang Box
- W. Temperature
1. Starting Temperature: -40°C - 50°C (-40°F - 122°F) within 30 minutes
 2. Operating Temperature: -40°C - 50°C (-40°F - 122°F)
- X. Operating Relative Humidity: 10% ~ 85% RH
- Y. Approvals:
1. CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B), IP67, NEMA 4X, IK10, UL (for optional PoE injector and power adapter)
- Z. Warranty:
1. 3 years