Ariel
by dvtel

ARIEL CB-3011 SERIES

HD 720p Bullet

The Ariel CB-3011 series of HD 720p cameras has expanded to include an IR illuminated video quality camera that guarantees frame rates in high motion, complex and low light scenes, and lowers your utility costs and carbon footprint.

Through its motion processing architecture, the CB-3011 series delivers predictable storage and a reduction in your Total Cost of Ownership (TCO).

Now you can…deploy a CCTV HD H.264 720p surveillance solution that easily handles wide variations in motion and lighting found in airports, city surveillance projects, critical infrastructure sites, commercial offices and campuses utilizing the most technologically advanced HD IP camera.

Features	Benefits
• Multi-stream H.264 video	• Crisp, clean video for supreme identification
• Guaranteed frame rates in complex, high motion scenes	• Maintains evidentiary integrity of video in challenging surveillance conditions
• Motion processing	• Maintains lowest bit rates regardless of motion/scene complexity; lowers TCO with predictable storage and network requirements
• Auto-tune technology	• Best out-of-the-box experience with no adjustments; auto scene adaptation eliminates service calls
• IR model delivers more uniform high quality illumination	• Reduces utility costs, carbon footprint and TCO

HD 720p

FEATURES

- HD H.264 Video

- Multi-streaming at the highest frame rates

- HD 720p at the lowest bit rate

- Included analytics:
  - Tamper Detection
  - Multi-zone VMD

- Wide Dynamic Range

- IR Illumination

- Indoor/Outdoor

- Web interface for viewing and configuration

dvtel® *Now you can.*

VIDEO INNOVATION TO SECURE YOUR BUSINESS

ONVIF

www.dvtel.com

General Specifications

Camera	
Image Sensor	1/3" CMOS
Sensor Resolution	1280 x 960
Scanning Mode	Progressive
Sensitivity	0.15 (color)/0.02 (BW), 0 Lux with IR illuminator ON, measured at 30 IRE
Lens Type	4 mm F2.0 Auto Iris D/N Horizontal viewing angle: 73.1°
Rotate Options	Mirror and Flip
Automatic Electronic Shutter (AES)	1.0 to 1 / 10,000 (auto)
Digital Slow Shutter (DSS)	1/1 to 1/25 or 1/30 with up to 32x sensitivity boost in color or night mode
White Balance	Auto / indoor / outdoor
Automatic Gain Control (AGC)	Auto
Back Light Compression	Yes
Iris Control	DC Auto
Wide Dynamic Range (WDR)	Digital
3D Noise Reduction	Yes
Tamper Detection	Yes
Privacy Zones	Yes
Video Motion Detection	Yes
Day / Night Mode	Yes
Mechanical IR Cut Filter	Yes
Signal to Noise Ratio (SNR)	±50 dB
Video	
Compression	Fully compliant multi-stream H.264 main profile + MJPEG
Maximum Performance	H.264 30 / 25 @ 1280x960/HD720p + H.264 30 / 25 @ 4CIF
Resolution Range	Scalable from CIF to 1.3MP
Bandwidth	Configurable between 64Kbps and 8Mbps
Rate Control	CBR/VBR

IR Illuminator	
Distance	20 m (66 ft.)
Angle of Illumination	Full 90°
Number of IR LEDs	30
Peak Emission Wavelength (nm)	850
Network	
Network Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6
Ethernet	10 / 100 Base-T auto sensing, half / full duplex (RJ45)
Configuration	Remote: via web access or supported video management software
Firmware Upgrade	Flash memory for upgrade of camera firmware over the network (1GB Flash / 2GB RAM)
Supported Web Browser	Internet Explorer 6.0+
Security	User account and password protection
Physical	
Enclosure	Indoor/Outdoor
Dimensions	60.4 x 76.9 x 139.2 mm (2.38 x 3.28 x 5.48 in.)
Unit Weight	0.5kg (1.1 lbs.)
Electrical	
Input Voltage	12 VDC ±10% or 802.3af PoE
Power Consumption	5W / 7W with IR on
Power Connector	DC barrel connector or PoE
Environmental	
Operating Temperature*	-30°C to 60°C (-22°F to 140°F)
Storage Temperature	-40° to 70° C (-4° to 158° F)
Humidity	95% (non-condensing)
Warranty & Regulatory	
Warranty	According to DVTEL RMA Policy and Process Notice document
USA	UL, FCC Part 15 (subpart B, class A)
International	CE marked, EN55022-1998 class A, EN55024, RoHS

* Startup temperature is -10°C/12°F

Camera Ordering Information

Type		Series	Camera Resolution	Included Analytics		Lens Options	Environmental		IR Illuminator
CB	-	30	1	1	-	0	1	-	I
Bullet Camera	-	30 = Ariel	1 = 1.3MP / 720p	1 = Intelligent Multi-zone VMD and Tamper Detection	-	0 = 4mm	1 = IP66	-	I = 90 ° Illuminator

Accessories

CX-PWR-12W-US	US power supply
CX-PWR-12W-EU	EU power supply

A complete list of mounts, brackets, pole mounts and recess kits for cameras can be found in the DVTEL Price List and Camera Accessory Guide.

DVTEL is a trademark of DVTEL, INC.
DVTEL reserves the right to make changes without notice.
CB-3011-070814

www.dvtel.com