TACTUITY

The Tactuity TBC-301 Dual Sensor Bullet camera is the latest offering in the DCX System. The camera is designed for use in multiple applications, including Smart Cities, Facility Access and stand alone installations. The thermal sensor allows for accurate identification of heat sources, including human body temperatures, while combining a very capable optical sensor for video output. The camera utilizes DCX compression for unprecedented security and bandwidth management. DCX also allows the thermal sensor data to travel within the DCX envelope, further reducing transmission costs.

Thermal Sensor	
Max. Resolution	384 x 288
Sensor	CMOS sensor
Min. Illumination	Color: 0.002 lux @ f/1.2 (AGC On)
	Black: 0.0002 lux @ f/1.2 (AGC On)
Wave Band	Response Waveband: 8 to 14 µm
Thermal Sensitivity (NETD)	< 50 mk @ 25°C, f/1.0
Human Detection Distance	Max 7M (22.9 ft)
Focal Length	35mm
Visible Light Transmission	11 to 40mm
Temp. Accuracy	+/- 2.5°C
Number of Pixels	64 (8H x 8V)
Viewing Angle	Typical 60°
Aperture	f/1
Image Settings	Brightness, AGC, DDE, and FFC adjustable via software interface
Color Palette	Primary: White hot, black hot, red hot, green hot; 64k color variations available

Optical Sensor	
Sensitivity	680mv@1lux/sec
Lens	35mm
SNR	36dB
Dynamic Range	67db @8x gain
Focal Length	3.60mm
HOV x VOV	62.2° x 48.8°
F-stop	2.0
Pixel Equivalent	8MP
SNR	36db
Image Resolution	Visible Light: up to 2592 x 1944@90fps Thermal: 384 x 288@
Video Compression	DCX for efficient lossless compression Further compression of H.264 supported
Audio Compression	G.711u/G.711a/G.722.1/MP2L2/G726/PCM
Protocols supported Security	RTMP, RTSP, RTP, TCP, UDP HTTPS encryption, IP address filtering

Integration	
Audio Output	Line level
	Impedance: 600 Ohms
Connectivity	Wifi - 802.11X & Bluetooth will be supported
Memory Card	Built-in microSD card slot, supports microSD/SDHC/SDXC card up to 64 GB
API	Available on Future Versions
Web Browser	IE7+, Chrome 18+, Firefox 5.0+, Safari 5.02
Power	5V 2.5amps, 110v-240V

General	
Menu Language	English
Power	5V 2.5amps, 110v-240V
Operating Temperature	-4 to 176°F / -20 to 80°C
Humidity	90% or less
Protection Level	IP66
	TVS 6000 V lightning protection, surge protection, voltage transient protection
Dimensions	8.5 x 3 x3" /217 x 76 x 76 mm
Weight	8.2 lb / 3.0 kg

DCX SOFTWARE HIGHLIGHTS

Video Compression Ratio: Supports image sizes from 80 x 60 to 4024 x 4024; Up to 750 to 1 (lossey); up to 350 to 1 (lossless)

Frame Rates: from 1 to 60 fps; up to 256 grayscale support

Real-time De-interlacing: 640 x 480 video

Format Support: ISO headers support and user-defined encryption metadata; Major audio compression all formats

Compression Ratio Control: Precise with variable rate compression for low bandwidth or 3G transmission protocols

Inline Conversion: includes dual streaming capability

Average Frame Size: less than 0.8kb at 30 fps and 320 x 240 pixel

Take Advantage Of These Proven Benefits

- Ease of installation in hosted or private networks
- Simple integration into popular VMS solutions
- Immediate ROI for cellular and satellite applications
- Continued ROI in storage costs
- Data Security & Patented 'Chain of Custody' modules included

TACTUITY

Contact us at: info@tactuity.com or 410.220.4253
For more information, pricing and availability.