

# govcomm

Intelligent Transportation Systems

2 Megapixel Low Light Smart Camera

Technical Specifications

Model GC-ID-421

## Key Attributes

- 2 Megapixel Full HD1080p Video
- Excellent for Difficult Lighting Conditions
- Wide Dynamic Range
- Smart Infrared Illuminators - 40 Meter Range
- Motorized Lens with Smart Focus
- Supports up to 128G On-Board Storage
- Power Options - 24VAC, 12VDC or PoE
- Ingress Protection Rating IP66



## Brackets



Junction Box



Inclined Ceiling Mount



Wall Mount



Wall Mount with Junction Box



Pendant Mount



Product picture and technical specifications are subject to change without notice.  
Sales@GovComm.us | 305-937-2000 | 2650 Biscayne Blvd, Miami, Florida 33137

© GovComm, Inc. 2017.

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Minimum Illumination	0.0027 Lux @ (F1.4, AGC ON), 0 Lux with IR
Shutter Speed	1s to 1/100,000s
Lens	2.8mm to 12mm @ F1.4, 92°~32° 8 mm to 32 mm @ F1.4, 28° to 12°
Lens Mount	Φ14
Angle Adjustment	Pan: 0° to 355°, Tilt: 0°~75°
Auto-Iris	DC Drive
Day and Night	IR Cut Filter with auto switch
Wide Dynamic Range	120dB
Compression Standard	
Video Compression	H.264+/H.264/MPEG4/MJPEG
H.264	Baseline Profile / Main Profile / High Profile
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps (G.711) / 16Kbps (G.722.1) / 16Kbps (G.726) / 32-128Kbps (MP2L2)
Image	
Max. Resolution	1920 x 1080
Frame Rate	30fps (1920 x 1080, 1280 x 960, 1280 x 720)
Third Stream	Independent with Main Stream and Sub Stream, up to 50Hz: 25fps (1920 x 1080); 60Hz: 30fps (1920 x 1080)
Defog	Supports
Day/Night Switch	Auto / Schedule / Triggered by Alarm In
ROI	Supports
Picture Overlay	24bit BMP format overlay, zone optional
Network	
Network Storage	MicroSD/SDHC/SDXC card with ANR (up to 128 GB), NAS (supports NFS, SMB/CIFS)
Alarm Trigger	Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, storage exception
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, anonymous access
Standard	ONVIF, PSIA, CGI, ISAPI
Communication Interface	1 RJ-45 10M/100M Ethernet interface
Interface	
Audio Input	1-ch 3.5 mm audio interface, Mic in/Line in
Audio Output	1-ch 3.5 mm audio interface
Communication Interface	1 RJ45 10M/100M Ethernet port, 1 RS-485 interface
Alarm Input/Output	1/1



<b>Video Output</b>	1Vp-p composite output (75 Ω/BNC)
<b>On-board storage</b>	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
<b>Reset Button</b>	Yes
<b>Smart Feature-Set</b>	
<b>Behavior Analysis</b>	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal
<b>Line Crossing Detection</b>	Cross a pre-defined virtual line
<b>Intrusion Detection</b>	Enter and loiter in a pre-defined virtual region
<b>Region Entrance</b>	Enter a pre-defined virtual region from the outside place
<b>Region Exiting</b>	Exit from a pre-defined virtual region
<b>Unattended Baggage</b>	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
<b>Object Removal</b>	Objects removed from the pre-defined region, such as the exhibits on display.
<b>Exception Detections</b>	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
<b>Recognition</b>	Face detection recognition
<b>Statistics</b>	Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)
<b>General</b>	
<b>Protection Level</b>	IP66 , IK10, UL Listed
<b>Operating Conditions</b>	-40°F to 175°F, humidity 95% or less (non-condensing)
<b>Power Supply</b>	12 VDC/24 VAC/PoE+ (802.3at)
<b>IR Distance</b>	Up to 40m
<b>Power Consumption</b>	Maximum 17 W
<b>Dimensions</b>	Φ6.49" × 5" (Φ 164.9×127 mm)

### Dimensions

