



Network Speed Dome Camera

D1 video resolution / H.264 / 37x Optical Zoom

- 1/4" Samsung Interline Transfer CCD image sensor
- 30 fps @ 704 x 480 D1 resolution
- H.264/MJPEG dual codec
- Enhanced imaging with 3D DNR
- Auto electronic shutter
- Pan 0°~360°, Tilt 0°~90°
- 37x optical zoom
- Additional features include: motion detection, privacy masking, tampering detection, and event notification
- Free iOS/Android app available
- True day/night (ICR)
- IP67 weather rated
- IK10 impact-resistant
- -40°F ~ 140°F temperature range
- Operates on 24 Vac @ 2.0 Amps



Includes bracket shown

Specifications

Camera

Image Sensor	1/4" CCD
Scanning Mode	Interline Transfer
Resolution	Up to 704 x 480
Effective Pixels	Approx. 0.4 Megapixel
Minimum Illumination	Color : 0.2 Lux / F1.6 (50IRE) B/W : 0.02 Lux / F1.6 (50IRE)
Day/Night	ICR (Auto/Day/Night)
Wide Dynamic	On/Off
Electronic Shutter (sec)	1/30 ~ 1/10000 (Auto/Manual 15 steps)
Gain Control	Auto (High/Middle/Low)
White Balance Mode	Auto
Sense-up (DSS)	Yes, 2x ~ 16x
Noise Reduction	3D DNR
IR Sensitivity	700 - 1100nm
Panning Range and Speed	0°~360°, Max. 300°/Sec
Tilting Range and Speed	0°~90°, Max. 300°/Sec

Lens

Lens Type	Varifocal
Zoom Ratio	37x
Focal Length	3.5 ~ 129.5 mm
Iris	Auto/Manual
Focus	Auto/Manual
Horizontal Viewing Angle	55.5° (Wide) ~ 1.59° (Tele)
F-number	F1.6 (Wide) - F3.9 (Tele)

Video

Video Compression Format	H.264 (MPEG-4Part 10/AVC), MJPEG
Codec Streaming Capability	Triple streaming, Multiple profiles
Maximum Frame Rate	30 fps @ 704 x 480
Bit Rate	128 kbps ~ 4 Mbps
Bit Rate Mode	CBR, VBR

Audio

Audio Streaming	Two-way
Audio Compression Format	AMR, G.711 @ 64 kbps, G.726 @ 32 kbps

Features

Motion Detection	Yes
Event Notification	Relay Out, Email, FTP
Privacy Mask	Yes
Video Analytics	Tamper Detection

Interface

Ethernet	RJ-45 10/100 BASE-T
Audio Input	1x In
Audio Output	1x Out
Sensor Input	1x In
Alarm Output	1x Out
SD Card Slot	1x Micro SD
R5-485	Yes (2 Pin)

Network

Protocols	RTSP/RTP/UDP, RTSP/RTP/TCP, RTSP/RTP/HTTP tunneling, LAN Multicast, Multipart-JPEG IPv4, IPv6, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF
Security	Password Protection
Number of Connections	Up to 20

General

Power Requirements	AC24V
Power Consumption	48 W (max)
Weight	8.49 lbs.
Dimensions (in.)	9.57 (Ø) x 12.45 (H)
Operating Temperature	-40°F ~ 140°F
Storage Temperature	14°F ~ 122°F
Operating Humidity	0% ~ 95% RH, Non-condensing
Ingress Protection	IP67
Impact Protection	IK10
Color / Material	Semi Gloss White / Aluminum
Approvals	CE, FCC, Class A, RoHS

System Requirements

Operating System	Windows XP Professional, Windows VISTA, Windows 7
Processor	Intel Pentium 4 2.4 GHz or later
Memory	1 GB or above RAM
Web Browser	Microsoft Internet Explorer 6.0 or above

Supplied Accessories

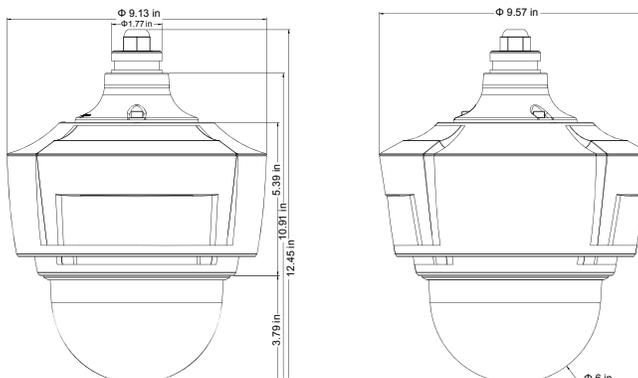
CD ROM (User's Guide, Camfinder Utility, 3VMS Suite)
Installation Manual
Wall Mount Bracket
Mounting Hardware
AC24V Power Supply





Network Speed Dome Camera

Product Diagram:



Features:

H.264 Compression

Reduced storage requirements, lower bandwidth, faster transmission speeds



Motion Detection

DVR or other device can be triggered when motion is detected



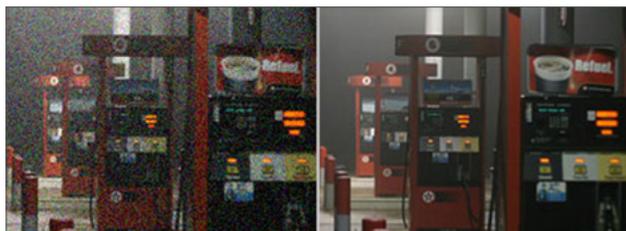
Event Notifications

Notify via relay out, email or FTP when a triggered event has occurred



3D Digital Noise Reduction (3D DNR)

Filter out noise even in low-light conditions



Tampering Detection

Sends an alert if the viewing angle changes, or has been blocked



Privacy Masking

Keep desired areas private



Progressive Scan

Delivers faster transmission speeds and sharper details



Member of:



Product Certification:

