DSC

From Tyco Security Products

DSCi550-S020
Full HD Speed Dome Network Camera

DSC

The DSCi550-S020 is a Full HD Speed Dome Network camera featuring 20X optical zoom with 12X digital zoom.

The camera delivers high quality pictures even in low light conditions. Powerful features such as Wide Dynamic Range (WDR) and Mechanical ICR enhance image quality.

The camera supports Dual Streaming with H.264 and MJPEG simultaneously. H.264 compression technology gives the ideal blend of image quality and bandwidth friendly performance. The camera is backed with a wide range of 3rd party VMS software support.

The camera is IP67 rated weather proof and designed for outdoor use.

Features That Make a Difference

2Megapixel / H.264 / 20X / WDR

- 20X in optical zoom

- H.264/MJPEG Dual Codec & Streaming simultaneously

- Auto-IRIS

- Up to 1080P(1920x1080@30fps)

- Digital I/O for External Sensor and Alarm

- Mechanical ICR

- Digital Power WDR

- 2 Way Audio Supported

- Intelligent Video Analytics

- Micro SD Card Supported (SDHC up to 32GB)

- IP67 Weather proof

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Specification

DSCi550-S020

Camera

Sensor	1/2.8 Type Exmor CMOS sensor
Scan Method	Progressive
Lens	20× zoom F= 4.7 mm (Wide) to 94.0 mm (Tele), F1.6 to F3.5 Angle of view (H) : Approx. 55.4 degrees (Wide), Approx. 2.9 degrees (Tele) 1080i mode : Approx. 37.6 degrees (Wide), Approx. 2.0 degrees (Tele) 720p mode : Min. working distance 10 mm (Wide), 1000 mm(Tele)
Zoom Ratio	20X in Optical Zoom, 12X in Digital Zoom
Number of Effective Pixel (H*V)	1920x1080
Minimum Illumination	C/L : 0.08Lux, B/W : 0.005Lux
Horizontal Resolution	1000TVL
Wide Dynamic Range	On/Off/Auto
SNR(max)	50db
DNR	High/Middle/Low, 3 steps selection
White Balance	Auto/Manual
Gain Control	High/Middle/Low, 3 steps selection
Flicker Control	Off/50 Hz/60 Hz, 3 steps selection
Backlight Compensation	On/Off
Electronic Shutter	1/30 sec to 1/10000 sec (15 steps)
Panning Coverage	0°~ 360°
Tilting Coverage	-10°~ 90°
Panning/Tilt Speed	Manual: Panning Speed Approx. 0.2°/s ~ 196.8°/s, Tilt Speed Approx. 0.2°/s ~ 98°/s, preset: up to approx. 450°/s
Number of Preset Positions	64
IRIS Control	Auto/Manual
Exposure Compensation	Auto
Slow Shutter	Auto/Off
Noise Reduction	Yes
Day and Night	IR-Cut Filter Removable (ICR)

Video

Video Compression	H.264 (MPEG-4Part 10/AVC)/MJPEG,Dual codec
Video Framerate	1080P@30fps
Resolution	H.264 :1080P(1920x1080@30fps) 720P(1280x 720@30fps) 720x400@30fps/360x192@30fps/ 192x112@30fps MJPEG : 1080P(1920x1080@ 15fps) 720P(1280x720@15fps)720x400@15fps/ 360x192@15fps
Bit Rate Control	CBR and VBR, 128kbps ~ 10Mbps
Multi-streams	Triple streaming,Multiple profiles 1920x1080 H.264 @30fps/1280x720 H.264(Sub)@30fps/ 1920x1080 MJPEG@15fps
Digital Zoom (PC Side)	1/4X, 1/3X, 1/2X, 1X, 2X, 4X
Image Rotation	Mirror, Flip, Rotate 180°

Intelligent Video

Privacy mask	Yes
Motion Detection	Yes
Blind Detection	Yes
OSD	Yes

Audio

2 Way Audio Compression	Audio Line-in, Audio Line-out AMR, G.711 @ 64kbps, G.726 @ 32kbps/ Configure bit rate

Network

Streaming Protocols	RTSP/RTP/UDP,RTSP/RTP/TCP,RTSP/RTP/HTTP tunneling, LAN Multicast, Multipart-JPEG
Supported Protocols	Ipv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP,ONVIF
Mobile Surveillance	iPhone, iPad, Android, BlackBerry

Storage

External	1 x Micro SD Card

Processors and Memory

CPU	ARM9 SOC
Flash and Memory	32MB NOR flash, 256MB DDRIII

I/O and Connectors

LAN	1x RJ45 Ethernet connector
Audio	1x Audio Line-in , 1x Audio Line-out
Alarm I/O	2x Alarm-in (2pin), 2x Alarm-out (3pin)

Software Compatibility

Browser	Internet Explorer 6.0 or above
Application Software	VMS Application Software
OS Supported	Microsoft Windows 2000, XP , Vista, Windows 7

Open API

	CGI commands to control camera Media SDK to handle streaming

Power

Power Input	AC24V/AC24V+PoE 802.3at (Optional)
Power Consumption	48W

Dimensions

	243mm(Φ) X 316.3mm(H)

Weight

	3850g

Operating Environment

Operating Temperature	-40°C~ +55°C / -10°C~ +55°C (POE)
Storage Temperature	-10°C~ +50°C
Humidity	0% ~ 95% non-condensing

Certification

	CE, FCC Class A, RoHS, IP67, IK10,UL

SECURITY
UL
LISTED

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