



High Commission of India  
307 Church & Peter Rose Streets  
Queenstown, Georgetown, Guyana

**Inviting Quotations for supply and installation of CCTV Cameras**

Sealed quotations are invited for supply and installation of CCTV Cameras in the Swami Vivekananda Cultural Centre premises located at 67, New Haven, Bel Air, Georgetown.

Sealed quotations clearly marked "Quotation for supply and installation of CCTV Cameras at Swami Vivekananda Cultural Centre, Georgetown" on the envelope and addressed to the Head of Chancery, High Commission of India, 307, Church & Peter Streets, Queenstown, Georgetown should be submitted latest by 16:00 hrs on 15 January, 2021. The bids will be opened at 12:00 hrs. on 18 January, 2021. The High Commission reserves the right to accept or reject any bid without assigning any reason.

Survey of the site can be done on any working day between 10 am to 1 pm. Technical specifications of the equipment may be obtained from High Commission of India, 307, Church & Peter Rose Streets, Queenstown, Georgetown on any working day between 9 am to 5 pm from 28 December, 2020 to 11 January, 2021.

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**SPECIFICATIONS FOR A SOLUTION OF UPTO 16 CCTV CAMERAS  
WITH 30 DAYS RECORDING**

S.No.	Item	Quantity
1.	2 to 4 MP Dome Varifocal / Bullet Varifocal	16
2.	NVR 16 Channel with 2 SATA supported	1
3.	4 TB HDD for storage of cameras	2
4.	PoE Switch 16/24 port Giga	1
5.	Single Port 10/100 Media Convertor (Pair) – <b>Optional</b>	As per actual
6.	UPS	One Unit
7.	Fibre Cable – <b>Optional</b>	As per actual
8.	Cat 6 Cable	As per actual
9.	Other accessories as required for installation	As per actual

## 2-4 Megapixel H.265 Vandal Proof Network Dome IR Camera

### KEY FEATURES

- 0.008 Lux
- H.265 High Efficiency Video Coding
- Integrated Motorized Varifocal Lens (Auto focus)
- Built-in ICR Filter for Day/Night switching
- Built-in web server for IE/Firefox/Chrome/Safari preview
- 3D-DNR, Privacy Masking and Motion Detection
- Built-In efficient IR LEDs, IR distance up to 30m
- Weather-proof IP-67 rated housing
- Built-in 802.3af Compliant PoE
- Support ONVIF Profile S

### IP VIDEO SURVEILLANCE SOLUTION

	DESCRIPTION	SPECIFICATIONS
CAMERA	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.008Lux@F1.2, B/W: 0Lux with IR on
	WDR	Super WDR up to 120dB
	Lens	3.6mm @ F.16
	Field of View	H67.2° (3.6mm)
	Shutter Time	1/100000s~1/5s
	IR Distance	Up to 30m or more
	Day & Night	ICR Filter Auto Switch
	Max Image Resolution	2592x1520
VIDEO	Frame Rate	20fps(2592x1520) 25fps(2304x1296) 25fps(1920x1080)
	Video Compression	H.265(HEVC) / H.264 / MJPEG
	Video Bit Rate	160Kbps~16Mbps(CBR/VBR Adjustable)
	Image Setting	Brightness/Contrast/Saturation/Sharpness
NETWORK	Ethernet	1*RJ45 10M / 100M Ethernet Port
	Network Storage	NAS(Support NFS, SMB/CIFS)
	Protocol	TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPNP, SIP, IPv6, PPPoE, VLAN
AUDIO	Audio Streaming	Built-in Microphone
	Audio Compression	G.711 and AAC

SYSTEM	Advanced Function	Motion Detection, Privacy Masking, Backlight Compensation, 3D-DNR, ROI
	SIP/VoIP Support	Yes, Voice & Video over IP
	Event Trigger	Motion Detection, Network Disconnection, etc.
	Event Action	FTP Upload/SMTP Upload/SIP Phone
	System Compatibility	ONVIF Profile S
GENERAL	Power Supply	PoE
	Power Consumption	2.5W MAX, 5.5W MAX (With IR on) <b>{can be removed}</b>
	Weather Proof	Up to IP67 Rating for Weather-resistant
	Certification	CE,FCC,Rohs



**NETWORK BULLET IR CAMERA (FIXED)**

**KEY FEATURES**

	<b>DESCRIPTION</b>	<b>SPECIFICATIONS</b>
CAMERA	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.008Lux@F1.2, B/W: 0Lux with IR on
	WDR	Super WDR up to 120dB
	Lens	3.6mm
	Field of View	H78.4°~H26.2° (2.8~12mm)
	Shutter Time	1/100000s~1/5s
	IR Distance	Up to 30m
	Day & Night	ICR Filter Auto Switch
	Max Image Resolution	1920X1080
VIDEO	Frame Rate	20fps(2592x1520) 25fps(2304x1296) 25fps(1920x1080)
	Video Compression	H.265(HEVC) / H.264 / MJPEG
	Video Bit Rate	160Kbps~16Mbps(CBR/VBR Adjustable)
	Image Setting	Brightness/Contrast/Saturation/Sharpness
NETWORK	Ethernet	1*RJ45 10M / 100M Ethernet Port
	Network Storage	NAS(Support NFS, SMB/CIFS)
	Protocol	TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPNP, SIP, IPv6, PPPoE, VLAN
AUDIO	Audio Streaming	N/A
	Audio Compression	N/A
SYSTEM	Advanced Function	Motion Detection, Privacy Masking, Backlight Compensation, 3D-DNR, ROI
	SIP/VoIP Support	Yes, Voice & Video over IP
	Event Trigger	Motion Detection, Network Disconnection, etc.
	Event Action	FTP Upload/SMTP Upload/SIP Phone
	System Compatibility	ONVIF Profile S
	Power Supply	PoE
GENERAL	Power Consumption	5.5W MAX, 9.5W MAX (With IR on) {can be removed}
	Weather Proof	Up to IP67 Rating for Weather-resistant
	Certification	CE,FCC,Rohs

## NETWORK BULLET IR CAMERA (MOTORIZED)

### KEY FEATURES

- 0.008 Lux
- Super WDR up to 140 dB
- H.265 High Efficiency Video Coding
- Integrated Motorized Varifocal Lens (Auto focus)
- Built-in ICR Filter for Day/Night switching
- Built-in web server for IE/Firefox/Chrome/Safari preview
- 3D-DNR, Privacy Masking and Motion Detection
- Built-In efficient IR LEDs, IR distance up to 30m
- Weather-proof IP-67 rated housing
- Built-in 802.3af Compliant PoE
- Support ONVIF Profile S

### IP VIDEO SURVEILLANCE SOLUTION

	DESCRIPTION	SPECIFICATIONS
CAMERA	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.008Lux@1.2, B/W: 0Lux with IR on
	WDR	Super WDR up to 120dB
	Lens	Motorized 2.8 ~ 12mm
	Field of View	H78.4°~H26.2° (2.8~12mm)
	Shutter Time	1/100000s~1/5s
	IR Distance	Up to 30m
	Day & Night	ICR Filter Auto Switch
	Max Image Resolution	1920x1080
VIDEO	Frame Rate	20fps(2592x1520) 25fps(2304x1296) 25fps(1920x1080)
	Video Compression	H.265(HEVC) / H.264 / MJPEG
	Video Bit Rate	160Kbps~16Mbps(CBR/VBR Adjustable)
	Image Setting	Brightness/Contrast/Saturation/Sharpness
NETWORK	Ethernet	1*RJ45 10M / 100M Ethernet Port
	Network Storage	NAS(Support NFS, SMB/CIFS)
	Protocol	TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPNP, SIP, IPv6, PPPoE, VLAN
AUDIO	Audio Streaming	N/A
	Audio Compression	N/A

SYSTEM	Advanced Function	Motion Detection, Privacy Masking, Backlight Compensation, 3D-DNR, ROI
	SIP/VoIP Support	Yes, Voice & Video over IP
	Event Trigger	Motion Detection, Network Disconnection, etc.
	Event Action	FTP Upload/SMTP Upload/SIP Phone
	System Compatibility	ONVIF Profile S
GENERAL	Power Supply	PoE
	Power Consumption	5.5W MAX, 9.5W MAX (With IR on) <i>{can be removed}</i>
	Weather Proof	Up to IP67 Rating for Weather-resistant
	Certification	CE,FCC,Rohs



**16 CH NVR (2HDD)**

	<b>Description</b>	<b>Specifications</b>
<b>Audio Video</b>	Video Input	16 CH
	Video Output	HDMI (1920x1080/1440x900/1280x1024/1280x800/1024x768) VGA(1920x1080/1440x900/1280x1024/1280x800/1024x768) CVBS(1920x1080/1440x900/1280x1024/1280x800/1024x768)
	Audio Input	Supported
	Audio Output	Supported
	Video Compression	H.264
	Video Capacity	16CH 5 MP/3MP/2MP/1.3MP/1MP
	Audio Compression	G 711U
<b>Storage</b>	Interface & Capacity	2 SATA (Max 6TB/pcs)
	File Format	Log: *.txt/Picture: *.JPG/Video: *.mp4
	Maximum Log	2000
	USB	USB flash disk recovery should be permanently disabled
<b>Recording</b>	Type	Manual/Scheduled/Motion/Alarm
	HDD full	Overwrite/Stop recording
	Playback	4CH 2MP/3CH 3 MP/3CH 4MP/2CH 5MP
	Playback control	Last Hr. / Next Hr., Last Frame / Next Frame Backward (8X 16X) Pause/Play Slow (x1/2x1/4x1/8x1/16) Fast Forward (x2x4x8x16)
	Search Mode	By CH/Type/Date (Single or combined)
<b>Network</b>	Ethernet	10M/100M/1000M
	Max Remote Channels	32CH
	Protocols Supported	TCP/IP, DHCP, UDP, SMTP, NTP
	Compatibility	ONVIF
	Remote Connection	CMS Client/WebCC/APP
	DDNS	Support
<b>Interfaces</b>	Network	1xRJ-45
	USB	1xUSB2.0
	PTZ	RS485
	Control Device	Mouse
	Screen Layout	1/2/4/8/9/16
	Alarm Actions	Buzzer/Send to Client/Alarm email (optional)



<b>Features</b>	Magnification	Support
	USB Recovery	To be disabled permanently
	Privacy Mask	Support
	Video Lost Alarm	Support
	Snapshot on Alarm	Support
<b>General</b>	Working Temperature	-10° ~ +55°
	Working Humidity	10% ~ 90%
	Power Supply	DC12V
	Power Consumption	≤15W (without HDD)

**1 PORT 10/100/1000 MEDIA CONVERTER**

<b>S.No.</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>
1	Standard	IEEE802.3u, 10/100/1000Base-T,1000 Base-SX/LX, IEEE802.3ah, IEEE802.3z/ab
2	Flow control	IEEE8.2.3x port flow control and backpressure control
3	Transmission speed	10M/100/1000M auto-negotiation
4.	Transmission mode	Full-duplex/semiduplex (auto-negotiation)
5	Conversion mode	Storage transmission
6	MAC address	VLAN 4K
7	Buffer space	128KB
8.	Packet length	Storage tranmission: 9728 Bytes, straight-through, infinite
9	Time-delay	9.6us
10	Bit error rate	<1/1000000000
11	MTBF	100,000 hours
12	Power supply	AC100~265V 50/60Hz / DC5V 1A
13	Power dissipation	<2.5W
14	Interface	Electric port:RJ45, Fiberport:SC/FC or SFP
15	Twisted-pair	Cat.5, Cat.6
16	Singlemode fiber	8/125, 8.3/125, 9/125um
17	Wavelength	850nm/1310nm/1550nm
18	Transmission distance	20/40/60/80 Km
19	Cat.5 twisted-pair	100m
20	Operating temperature	0~50° C
21	Storage temperature	-20~70° C
22	Humidity	5%~90% (no condensation)
23	Size	118* 87* 28mm (L*W*H) (metal box)