ARCHITECT & ENGINEER SPECIFICATIONS

SECTION 28 23 29
VIDEO SURVEILLANCE REMOTE DEVICES AND SENSORS

SNC-CX600

Compact High Definition (HD) Network Camera
with White-light LED Illuminators Powered by IPELA ENGINE EX
(Software version 1.11.0 or later)

PART 2 – PRODUCTS

2.01 NETWORK CAMERA SPECIFICATIONS

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A. MAIN FEATURES:

1. Compact High Definition (HD) Network Camera:
   All features which are needed for the security camera, such as camera, speaker, microphone, motion sensor, and light shall be designed in "all-in-one" on the size of the business card.
   The camera's compact profile shall blend discreetly into a wide range of commercial environments such as safeguarding offices, restaurants, hotels and other small business premises.

2. 720p HD picture quality (1280 x 720 pixels maximum resolution), supporting H.264 at 30 fps (IP)

3. Wide Dynamic range (Wide-D) more than 60 dB (View-DR LT-C)

4. Wide horizontal viewing angle:
   The camera's fixed lens shall cover entrances, doorways, public areas and store rooms with a wide horizontal viewing angle of 120°.

5. White-light LED Illuminators to capture clear color images at a distance of up to approximately 10 feet (3 m), even in complete darkness of 0 lx

6. Passive infrared (PIR) sensor:
   A passive infrared (PIR) sensor shall be able to detect movements in total darkness by measuring the intruder's body temperature, and to illuminate surroundings automatically with a white LED illuminators or when activated by the user.
   The PIR sensor shall also be able to trigger other actions, like recording on optional micro SD/SDHC card, giving voice alerts via the built-in speaker or sending an email notification.

7. Built-in microphone and speaker:
   The camera's built-in microphone and speaker shall enable two-way audio communication – ideal for use as an intercom.
   In addition, the passive infrared sensor can trigger playback of a pre-recorded Voice Alert warning message through the speaker when motion is detected.

8. Simultaneously encoding up to 3 of the following streams in any combination, including multiple instances of the same compression format: JPEG and/or H.264 (High/Main/Baseline Profile)

9. Picture mode:
   Picture mode shall be selectable from a range of camera scenes in the setting menu to optimize picture quality in various applications.
   This mode has the following options;
   - "Standard"

- “Situation Priority - Moving object” to stabilize images
- “Situation Priority - Low noise” to reducing noise on images, especially dark scenes
- “Flickerless” to reduce the flicker on images according to power frequency (50 Hz or 60 Hz) of the lighting

10. IPELA ENGINE EX:
    Integrated signal processing system for high picture quality shall combine unique signal processing and video analytics technologies. This signal processing system provides four unique features such as View-DR LT-C, XDNR, and DEPA Advanced.

11. Exmor CMOS:
    This sensor shall realize high quality and low noise images.
    Due to its high-speed readout characteristics, this sensor is used to capture multiple HD resolution images at a very high speed.

12. Visibility Enhancer (VE):
    This technology optimizes the brightness and color reproduction of an image dynamically on a pixel-by-pixel basis while continuously adapting to the scene. This method differs from the technique of using the preset gamma curves.
    Technically, this technology stretches the contrast in both the backlit portions and the shadows within the given dynamic range, which is different from unique wide dynamic range technologies. This technology also contributes to the high sensitivity of the camera.
    By combining this technology with a unique noise reduction feature named eXcellent Dynamic Noise Reduction (XDNR), the camera can reproduce clear and bright images in very low-light conditions, while keeping noise at a minimal level.

13. eXcellent Dynamic Noise Reduction (XDNR):
    This technology reduces Auto Gain Control (AGC) noise to provide clear images without motion blur. This also reduces image data size.

14. XDNR and VE can be used in conjunction with each other and shall provide approximately 4 times the sensitivity compared to the condition where both features are set to off.

15. Intelligent Motion Detection (IMD):
    This feature shall be able to minimize the number of false alarms by eliminating environmental noise such as trees moving, ripples in water, reflection from wet roads and gain noise to name but a few. This is very different to other manufacturers that typically compare just two frames together. This camera compares 15 frames together, which ensures that only ambiguous objects moving can

trigger a real alarm.
As a result, this enables end users to focus on real events, not suffer from loss of attention and quickly locate video that has been recorded upon alarm activations.

16. Distributed Enhanced Processing Architecture Advanced (DEPA Advanced):
    This technology shall extend the benefits of unique conventional intelligent video analytics and enables its functionality to be used with third-party software vendors. Alternatively the camera can be configured using the web interface to be a stand-alone intelligent surveillance solution.
    This means that end users get the same features as conventional intelligent video analytics running at the edge without needing to have any recording solution. Alarms can be activated by the camera, video can be recorded to the camera's on-board micro SD/SDHC card (not supplied) , and lights and alarms can be activated.

17. The camera shall be compliant with the Open Network Video Interface Forum Profile S (ONVIF Profile S) conformance.

B. CAMERA:

1. The camera shall utilize a 1/4-type progressive scan Exmor CMOS sensor.

2. The number of effective pixels shall be approx. 1.3 Megapixels.

3. The camera shall require a minimum scene illumination of:

   When using the White-LED illuminators:
   Color: 0 lx

   When NOT using the White-LED illuminators:
   Color:
   1.0 lx (50 IRE [IP], F 2.0, VE Off, Auto gain control maximum rate MAX, 1/30s, 30 fps)
   0.5 lx (30 IRE [IP], F 2.0, VE Off, Auto gain control maximum rate MAX, 1/30s, 30 fps)

4. The dynamic range shall be more than 60 dB.

5. The camera shall limit the maximum amount of gain-controlled automatic exposure control.

6. The electronic shutter speed shall be set from 1 to 1/10,000 second.

7. The camera shall adjust the target brightness for the automatic exposure setting by selecting the exposure correction value from the list box on the menu.

8. White balance shall be selected among ATW (approx. 2000 K to 10000 K), ATW-PRO (approx. 2500 K to 6000 K), Indoor, Outdoor, Fluorescent lamp, Mercury lamp, Sodium Vapor lamp, Metal Halide lamp, White LED, One push WB, or Manual settings.
   The R/B gain offset can be set for the ATW or ATW-PRO settings.

9. The camera shall have a fixed focal lens.

10. The viewing angle in 1280 x 720 mode (16:9 aspect ratio) shall be:
    Horizontal: 120.0 ˚.
    Vertical: 64.0 ˚.

11. The focal length shall be 1.83 mm.

12. The aperture range for the lens (F number) shall be F 2.0.

13. The minimum object distance shall be 19 3/4 inches (500 mm).

14. The camera shall have 2 White-light LED illuminators which are always linked with the passive infrared (PIR) sensor.

    The PIR sensor can detect movements in total darkness by measuring the intruder's body temperature, switching on these White-light LED illuminators that capture clear color images up to a distance of approximately 10 feet (3 m), even in total darkness of 0 lx. In other words, these illuminators do not light up during day time.

    The setting of the White-light LED illuminators shall be adjusted on the menu.
    -Lighting time: from 5 seconds to 30 minutes
    -Illuminator level: from 1 (weak) to 6 (strong)

C. CAMERA FEATURES:

1. The camera shall have an Image Stabilizer function, which can display with less video sway when the camera is installed in a place with vibration.

2. The camera shall have polygonal privacy zone masking which blocks out unwanted or prohibited area within the video image to protect privacy.
   Mask colors shall be Black, any of 6 shades of Gray, White, Green, Yellow, Red, Cyan, Magenta, and Blue.
   Mosaic patters shall be also selected as masking.
   The camera shall be capable of masking up to 20 areas.
   Such capability shall be via vendor supplied SNC toolbox utility software or the browser-based setup menu.

3. The pre-/post-alarm recording capabilities using an 'Edge Storage' function shall be as follows:

   - Capable of storing several seconds of pre-alarm and post-alarm images when an alarm is triggered by the motion detection, VMFs, camera tampering detection, audio detection or sensor input.

   - Capable of recording image and sound files on the approx. 8 MB of built-in memory or micro SD/SDHC memory card (not supplied), or transferring the files to an FTP server.

   - Record in the compression format selected for monitoring.

   - Correspond to a still image as a snapshot in the event.

   - Have a maximum duration for pre- and post-alarm recording that shall be dependent on the bit rate setting for H.264 (High/Main/Baseline Profile) or the picture quality and frame rate setting for JPEG as shown in the following tables:

   For H.264

HD	Bitrate (Kbps)		64	128	256	384
	Capacity (sec)	30 fps	30	30	30	30
		10 fps	90	90	90	90
	Bitrate (Kbps)		512	768	1000	1500
	Capacity (sec)	30 fps	30	30	30	30
		10 fps	90	90	90	90
	Bitrate (Kbps)		2000	3000	4000	5000
	Capacity (sec)	30 fps	30	30	30	30
		10 fps	90	84	63	50
	Bitrate (Kbps)		6000	7000	8000	
	Capacity (sec)	30 fps	30	30	30	
		10 fps	42	36	31	

For JPEG

ImageSize		320x184	640x480	1024x576	1280x720
Frame rate (fps)	1	827	158	82	52
	2	413	79	41	26
	3	275	52	27	17
	4	206	39	20	13
	5	165	31	16	10
	6	137	26	13	8
	8	103	19	10	6
	10	82	15	8	5
	12	68	13	6	4
	15	55	10	5	3
	20	41	7	4	2
	30	27	5	2	1

4. The ‘Edge Storage’ function shall operate as follows:

   - Capable of storing up to 900 seconds of pre-alarm and up to 7200 seconds of post-alarm images and audio on a SD memory card.

   - Record in the compression format selected for monitoring.

   - Recording to this storage area can be done manually or when an alarm is triggered.

   - The trigger can be based on motion detection, VMFs, camera tampering detection, audio detection, sensor input or network disconnection, or a combination of those alarms using Boolean operands such as a logical ‘AND’, ’OR’, or ‘THEN’.

   - Capable of streaming the recorded moving image data using the same protocols as live streaming such as RTP/RTCP, RTSP over TCP, RTSP over HTTP, so that the user can view recorded image while recording.

   - Capable of streaming the recorded still image data using the HTTP protocol.

   - Capable of simultaneously streaming live video with recorded video by using different sessions.

   - Capable of downloading the recorded video at a variety of speed rates such as 0.5x and 2x speed.

- Capable of setting periodical recording, alarm record schedule, and overwriting record for the still image data.

5. The camera shall have an internal memory size of approx. 8 MB for buffering.

6. The camera shall be capable of pre- and post-alarm buffering.

7. The camera shall support the voice alert function, which can automatically play an audio file stored on the camera by an alarm trigger using motion detection, unique Video Motion Filters (DEPA Advanced VMFs), camera tampering detection, or via a sensor input.

8. The camera shall have the capability to display a wide variety of overlays in any of 7 positions on the video image (4 corners, top, bottom, or center of the image).
   The following overlays shall be possible:

   - Camera ID of up to 20 alphanumeric characters or a logo in gif format

   - Date/Time data with selectable formats such as yyyy mm dd hh:mm:ss, mm dd yyyy hh:mm:ss, and dd mm yyyy hh:mm:ss

   - User setting frame rate (fps) and bit rate (bps)

   - Event -- sensor IN, unique intelligent motion detection, unique video motion filters, camera tampering detection

   - Character string

   - Compression format information

   The following display styles shall be available: outline and transparent, white half-transparent, black half-transparent, white, and black backgrounds. Unique intelligent motion detection shall not be effective in the selected superimposed areas.

   The following font colors are available: Black, Blue, Red, Magenta, Green, Cyan, Yellow and White.

   All of overlays except the Date/Time data can be set to blink.

9. The camera web browser shall support the following languages: English, Japanese, French, Spanish, German, Italian, Simplified Chinese, Traditional Chinese, Korean, Portuguese, Russian, Hindi, Vietnamese, and Thai.

10. The camera shall have a Smartphone viewer, which can display the camera image and operate Pan/Tilt/Zoom (PTZ) on the smartphone.

D. VIDEO:

1. The supported resolutions shall be 1280 x 720, 1024 x 576, 720 x 480 (NTSC), 720 x 576 (PAL), 704 x 576, 640 x 480, 640 x 360, 352 x 288, and 320 x 180 resolution.

2. The supported resolutions are shown in the following:

Image 1 (30 fps)	Image 2 (30 fps)	Image 3 (30 fps)
1280×720	640×480 or lower	640×480 or lower
1024×576	640×480 or lower	640×480 or lower
720×576	640×480 or lower	640×480 or lower
704×576	640×480 or lower	640×480 or lower
720×480	640×480 or lower	640×480 or lower
640×480	640×480 or lower	640×480 or lower
640×360	640×480 or lower	640×480 or lower
352×288	640×480 or lower	640×480 or lower
320×184	640×480 or lower	640×480 or lower

3. The camera shall support the following compression formats: JPEG and H.264 (High/Main/Baseline Profile).

4. The maximum resolution for each compression format shall be 1280 x 720.

5. The camera is compliant with the SMPTE 296M in terms of number of pixels (1280 x 720) and 16:9 format.

6. The maximum frame rate at 1280 x 720 resolution shall be 30 frames per second in H.264 (High/Main/ Baseline Profile) and 30 frames per second in JPEG.

7. Frame rate (fps) shall be selected among 1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, or 30.

8. The camera shall have variable bitrate (VBR) or constant bitrate (CBR) encoding format selectable to correspond with various network conditions.
   When VBR is selected, image quality level shall be always maintained. The bit rate shall be variable by a scene.
   When CBR is selected, the storage capacity shall be calculated easily. The bit rate shall be always constant.

9. Bit rate (Kbps) shall be selected among 64, 128, 256, 384, 512, 768, 1000, 1500, 2000, 3000, 4000, 5000, 6000, 7000, 8000.

10. The camera shall be capable of electronic pan/tilt/zoom or e-PTZ during e-PTZ mode.

11. JPEG compression levels shall be user selectable in 7 levels of compression ratios, based on an image of 24 bits per picture element (8 bits each for YUV).

12. Constant bit rate algorithm for JPEG data:
    The camera shall be capable of equalizing JPEG data sizes to have stable bandwidth utilization. Data size for each compression level is as follows:

Resolution	640 x 480	720 x 480	704 x 576	720 x 576	1024 x 576	1280 x 720
Image Quality Level	Data Size (KB)					
1	16	18	21	21	32	48
2	21	23	28	27	39	61
3	23	26	30	31	43	68
4	27	30	35	36	51	80
5	30	35	40	42	59	89
6	38	41	48	50	71	110
7	46	50	61	62	85	130

13. Actual frame rate in JPEG shall be shown in the following table:

Resolution	640 x 480	720 x 480	704 x 576	720 x 576	1024 x 576	1280 x 720
Image Quality Level	Actual Output Frame Rate (fps)					
1	30	30	30	30	30	30
2	30	30	30	30	30	30
3	30	30	30	30	30	30
4	30	30	30	30	30	30
5	30	30	30	30	30	30
6	30	30	30	30	30	30
7	30	30	30	30	30	30

14. The camera shall have the capability of simultaneously encoding up to 3 of the following compression formats in any combination, including multiple streams of the same format: JPEG and H.264 (High/Main/Baseline Profile).
    For example, the 1st streaming shall be used for the live monitoring, the 2nd streaming shall be used for recording to the storage, and the 3rd streaming shall be used for the mobile monitoring with the smartphone viewer.
    The maximum frame rates of each combination are shown in the following:

	1st 1280x 720 8 Mbps		2nd 640x360 4 Mbps		3rd 640x360 4 Mbps	
	Compression Format	fps	Compression Format	fps	Compression Format	fps
Single Compression Format Stream	H.264	30				
Dual Compression Format Stream	H.264	30	H.264	30		
Triple Compression Format Stream	H.264	30	H.264	30	H.264	30

15. The camera shall be capable of supporting up to 5 users simultaneously over the network.

16. The camera shall have up to 6 user level settings.
    The administrator shall have complete access/control of the cameras. The other 5 levels of access can be set to limit user privileges to functions such as viewing, changing image size, etc. Access to functions shall be determined as shown in the following table:

Function	Administrator	User				
		Full	Pan/Tilt	Preset position	Light	View
Monitor a live image	●	●	●	●	●	●
View the date and time	●	●	●	●	●	●
Control the frame rate (JPEG mode only)	●	●	–	–	–	–
Control the image view size	●	●	●	●	●	–
Save a still image and movie in the computer	●	●	●	●	●	–
Switch the TCP/UDP transmission mode (Available in H.264 mode only)	●	●	–	–	–	–
Receive audio	●	●	●	●	●	●
Select the codec mode	●	●	●	●	●	–
Control the setting menu	●	–	–	–	–	–

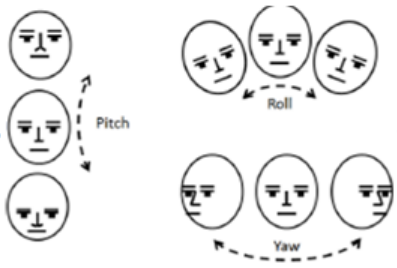
● Usable function
– Not usable function

E. INTELLIGENT VIDEO ANALYTICS:

1. The camera shall have a unique conventional intelligent video analytics named Distributed Enhanced Processing Architecture Advanced (DEPA Advanced) to trigger an alarm based on user-defined rules.

2. The camera shall incorporate a built-in unique Intelligent Motion Detection (IMD) capability.
   To minimize false triggers, this Intelligent Motion Detection shall compare the current image with prior 15 frames within the camera. This algorithm shall allow the camera to discriminate against some environmental noise such as shaking leaves or Auto Gain Control maximum rate noise.

3. The camera shall have a Face Detection function which detects the locations and sizes of human faces.
   It detects facial features and ignores other objects, such as buildings, trees, and bodies.

Maximum frame rate	3 fps
Maximum face size	640 x 640 pixels
Minimum face size	80 x 80 pixels
Maximum number of faces to be detected simultaneously	8 faces
Angles to be detected	Yaw: ±75° Pitch: ±40° Roll: ±30° 

4. The camera shall have a camera tampering detection function that alerts the operator if the camera is tampered with. Tampering can include spraying of the camera lens, covering it with a cloth, or changing of the mounting direction.

5. The camera shall have the following scene analytics, all of which can be set from the camera setup menu:

   - Intrusion: When a moving object enters the designated area, an

alarm sounds.

- Passing: A passage line is determined, and when a moving object passes the set line, an alarm sounds.

- Left Object Detection: When an object has been left unattended for too long in the designated area, an alarm sounds

- Removed Object Detection: When an object has been removed from the designated area, an alarm sounds.

F. AUDIO:

1. The camera shall support bi-directional audio, using G.711 (64 kbps), G.726 (40, 32, 24, 16 kbps) and AAC (48, 16 kHz) compression formats.

2. The camera shall be capable of storing and playing back up to 3 audio files.
   Audio files shall be generated and transferred to the camera using either the web browser or the manufacturer provided SNC audio upload tool software.

3. The camera shall provide time stamps on the streaming audio. Timestamps shall be inserted in the header area of the audio data.

4. The user shall have the ability to activate the built-in microphone and speaker via the web interface.
   Also, the user can adjust the volume of microphone and speaker.
   The frequency of approximately 2 kHz is recommended for the output from the built-in speaker.
   It shall be able to communicate between camera and client devices when the client devices are installed within approximately 6.5 feet (2 m) from the camera.

G. SYSTEM REQUIREMENTS & NETWORK:

1. The supported operating systems shall be Microsoft Windows 8 Pro 32 bit and 64 bit, Microsoft Windows 7 32 bit and 64 bit (Ultimate/Professional), Microsoft Windows Vista 32 bit (Ultimate/Business), and Microsoft Windows XP 32 bit (Professional).

2. Minimum PC requirements shall be the Intel Core2 CPU, 2.13 GHz or higher, with 2 GB RAM or more supporting 1600 x 1200 or higher resolution, 24-bit True Color display capability with Ethernet 100Base-TX.

3. The camera shall incorporate a built-in web server, such that the standard web browser Microsoft Windows Internet Explorer (version 7.0, 8.0, 9.0 or 10.0 recommended) can be used to access the camera without need for special viewer software.

4. The following web browsers can also be used to access the camera with the plug-in free viewer: Firefox version 19.02, Safari version 5.1 and Google Chrome version 25.0.
   The plug-in free viewer enables the above browsers automatically when they are started.
   The plug-in free viewer display method will be selected automatically.
   ActiveX viewer can allow for H.264 (High/Main/Baseline Profile) video streams and JPEG format images on the Google Chrome version 25.0.

5. The camera shall support ActiveX viewer which allows the camera image to be viewed in Internet Explorer.
   The ActiveX viewer allows for recording of video and audio directly to the PC's hard drive, and supports direct audio from the PC mic to the camera.

6. The camera shall be capable of generating HTML code for the video image, allowing for easy web page integration.

7. The camera shall support the following network protocols:
   IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP*, HTTP, HTTPS, SSL, SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, RTSP over HTTP, and SNMP (v1, v2c, v3).
   Network security shall be via password (basic authentication) and IP filtering.

   *Source-Specific Multicast (SSM) shall be supported.

8. The camera shall have the capability to stream H.264 (High/Main/Baseline Profile) video in TCP protocol or H.264 (High/Main/Baseline Profile) video in UDP (unicast/multicast) protocol.

9. The camera shall be capable of dynamic IP address change notification. It shall accomplish this via an email to a specified address or by HTTP when its IP address changes.

10. The camera shall support HTTPS client authentication.

11. The camera shall have an email (SMTP) notification capability which allows the following:

    - Sending an email to pre-specified users when an alarm is triggered by either motion detection, VMFs, camera tampering detection, audio detection or sensor input. A JPEG image, which is linked with the alarm trigger, can be attached to the email.

    - Periodically capturing a JPEG image and sending it via email.

12. The camera shall support POP3, APOP, and CRAM-MD5 authentication for SMTP transmission.

13. The camera shall support RTSP protocol based upon RFC 2326 and shall support the following options: DESCRIBE, SETUP, PLAY, TEARDOWN, and GET_PARAMETER.

14. The camera shall support QoS technology using Differentiated Services Code Point (DSCP).

15. The camera shall support IP Filtering, whereby access to the camera can be restricted to one or more groups of selected users. Up to 10 different groups can be established by defining an IP address range for each group.

16. The camera shall support IEEE 802.1X authentication, and shall:

    - comply with the IEEE 802.1X standards,

    - be capable of being integrated into an IEEE 802.1X network to achieve high network security,

    - support EAP-TLS mode to use a key pair from a Certificate Authority (CA),

    - support EAP-MD5 mode,

- support PEAP mode.

17. The camera shall have user configurable port settings.

18. Upon CGI command request, system log shall be recorded on a built-in memory (non volatile memory).

19. The camera shall provide SNC toolbox utility software via the designated website.

H. INETERFACES:

1. The camera shall have built-in microphone and speaker.

2. The camera shall have an RJ-45 socket on the rear of the camera.

3. The network interface shall be via an 8-pin RJ-45 connector, 10Base-T/100Base-TX Ethernet.
   Both IPv6 and IPv4 are supported.

4. The camera shall have a built-in micro SD card slot for an on-board recording capability for movies and still pictures.
   Micro SDHC cards up to 32 GB shall be available.
   Micro SDXC card shall not be supported.

I. GENERAL SPECIFICATIONS:

1. The camera input power shall be a power voltage of IEEE 802.3af compliant (PoE system).

2. Power consumption for the camera shall be 5.0 W maximum.

3. The camera operating temperature shall be within the following range:
   +32 ˚F to +122 ˚F (0 ˚C to +50 ˚C)

4. The camera storage temperature shall be within the following range:
   -4 ˚F to +140 ˚F (-20 ˚C to +60 ˚C)

5. The camera operating humidity shall be within the range of 20 % to 80 % (non-condensing).

6. The camera storage humidity shall be within the range of 20 % to 95 % (non-condensing).

7. The camera dimensions (W x H x D) shall be approximately:
   2 13/32 x 3 3/4 x 1 5/8 inches (61 mm x 95 mm x 41 mm) .

8. The camera shall weigh approximately 3.9 oz (110 g) (Camera only)
   7 oz (200 g) (Camera and camera stand)
   .

9. The external material shall be polycarbonate (PC).

10. The external color shall be white.

J. REGULATORY SPECIFICATIONS:

1. UL2044, IEC60950-1 (CB)
2. VCCI (Class B), FCC (Class B), IC (Class B)
3. Emission: EN55022 (Class B) + EN50130-4
4. Immunity: EN55022 (Class B) + EN55024
5. EN60950-1
6. Emission: AS/NZS CISPR22 (Class B)
7. GB4943.1
8. RCM
9. EMC-TR (CU-TR)
10. MSIP

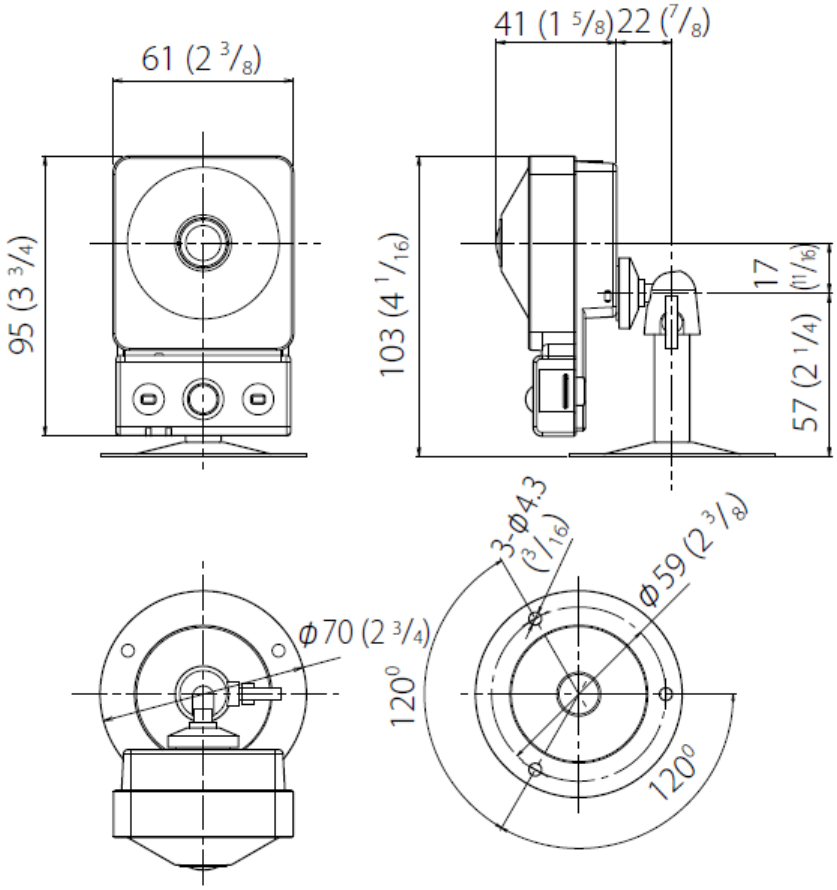
K. SUPPLIED ACCESSORIES:

1. Installation Manual (1)
2. Camera stand (1)
3. Camera unit mounting screws (1 set)
4. Safety regulations (Network Camera) (1set)

L. OPTIONAL ACCESSORIES:

None

M. DIMENSIONS:



Unit: mm (inches)

Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.