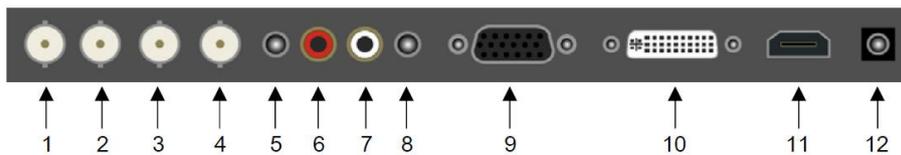# CMTC2315
TFT CCTV LED Monitor
58 cm (23")

The CMTC2315 is a Full High Definition TFT-LCD LED monitor that has been specifically designed for CCTV applications and is ideally suited for use with digital video recorders and PC systems. It has a very high contrast ratio and brightness combined with a large viewing angle resulting in a clear and comfortable view. The monitor also has two analogue video inputs (BNC) with loop-through outputs and high resolution of 600TVL.
The PiP/PbP/VoV function (Picture-in-Picture/Picture-by-Picture/Video-On-Video) extends the monitors use for security applications, allowing picture inlay to view multiple video streams on a single screen.
A graphical OSD menu in 7 languages and a remote control make the monitor particularly user-friendly. The control buttons on the monitor can be locked so that tampering with the settings by unauthorized persons is prevented.

- Full HD screen resolution 1920x1080 with high contrast ratio 1000:1
- LED backlight technology for lower power consumption
- HDMI, DVI and VGA inputs for DVR/NVR and PC connections
- Optimized for CCTV and designed for 24/7 use
- 2 BNC (CVBS) inputs/outputs equipped with a 3D comb filter and De-interlacing motion offering optimal, crisp and clear picture reproduction anytime
- Super High Resolution of 600TVL
- PiP (Picture-in-Picture) PbP(Picture-by-Picture) and VoV (Video-on-Video)
- Convenient operation via OSD menu in 7 languages
- IR Remote control unit
- Auto switching and trigger Input functionalities
- Built in Speakers

Answers for infrastructure.

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Legend

1	Video 2 (AV2) output [BNC]	9	VGA input [15Pin D-SUB]
2	Video 2 (AV2) input [BNC]	10	DVI-D input
3	Video 1 (AV1) output [BNC]	11	HDMI input
4	Video 1 (AV1) input [BNC]	12	12 V DC input
5	Trigger input [3.5mm jack]		
6, 7	Audio input (R+L) for AV1 & AV2 [RCA]		
8	PC Audio Stereo input for VGA & DVI [3.5mm jack stereo]		

Functionalities

■ **3D Digital Comb filter**

The 3D Digital Comb filter is the best type of comb filter available today. It provides the greatest possible video quality by separating the luminance and chrominance signal components, comparing three consecutive horizontal scan lines and pre-analysing each frame in advance.

■ **De-interlacing**

De-interlacing is the process of converting interlaced video (a sequence of fields Odd/Even) into a non-interlaced form (a sequence of frames) for better viewing especially for fast moving video.

■ **PiP (Picture-in-Picture)**

This feature allows to display in full screen mode a PC video input (VGA, DVI, HDMI) as well as an inset window to display a video input (AV1 or AV2) at the same time.

■ **PbP (Picture by Picture)**

This feature allows the display of a PC video Input (VGA, DVI,HDMI) and one video input (AV1 or AV2) side by side at the same time.

■ **VoV (Video-On-Video)**

This feature allows the display of two video inputs (AV1 & AV2) at the same time, side by side or one in full screen and one in an inset window.

■ **LED backlight**

LED is the latest backlit technology for TFT panels, offering a saving of power consumption whilst providing a comfortable backlit display.
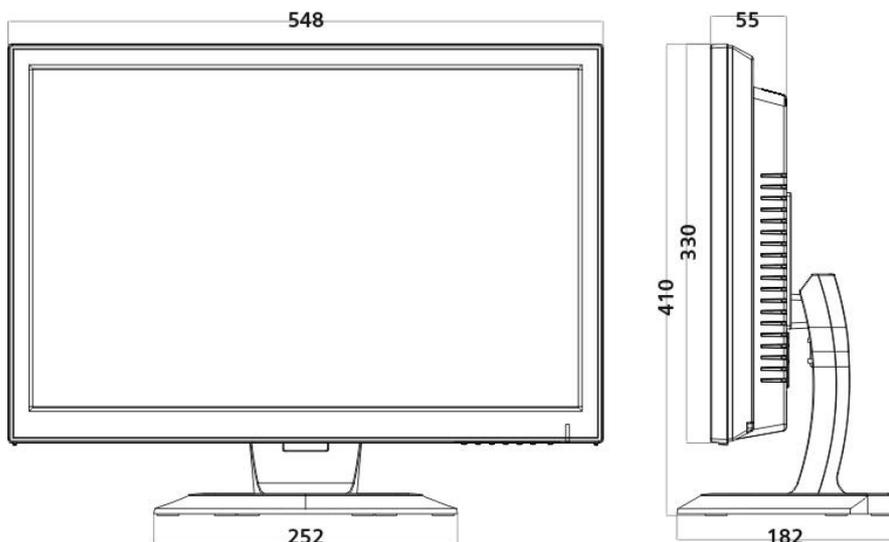
■ **Contrast ratio**

The contrast ratio is a measure of the brightness range provided by a display system, defined as the ratio of the luminance of the brightest colour (white) to that of the darkest colour (black) that the system is capable of producing.

■ **Brightness**

This value measures the difference between the minimum and maximum brightness when looking at a white image (in percentage terms). It is given in "candela per square meter".

■ **Dimensions**

■ Technical data

Panel type	TFT-LCD colour panel with LED backlight
Screen size	58 cm (23")
Aspect ratio	16:9
Viewing area (H x V)	509.76 x 286.74 mm
Pixel pitch (H x V)	0.2655 x 0.2655 mm
Viewing angle (H / V)	160° / 160°
Contrast ratio	1000:1
Brightness	250 cd/m²
Native Resolution (H x V)	1920 x 1080 pixels (@ 60 Hz)
Display Colours	16.7M
Response time	5 ms
Video Resolution (AV1 & AV2)	600 TVL
Video System (Sync. Format)	NTSC / PAL (Auto-Sensing)
Filter type	3D comb filter
Scanning frequency	31 ~ 80 kHz (H); 56 ~ 75 Hz (V)
Supported Resolutions (H v V)	640x480/60Hz, 640x480/72.8Hz, 640x480/75Hz, 800x600/56Hz, 800x600/60Hz, 800x600/72Hz, 800x600/75Hz, 1024x768/60Hz, 1152x864/75Hz, 1360x768/60Hz, 1280x720/60Hz, 1600x900/60Hz, 1280x960/60Hz, 1024x768/70Hz, 1280x1024/60Hz, 1024x768/75Hz, 1280x1024/75Hz, 1920x1080/60Hz
Input Interfaces	VIDEO: - VGA, DVI-D and HDMI - 2x BNC (CVBS 1Vp-p, 75ohms terminated) AUDIO: - 1x Audio input (Cinch, R+L) for AV1, AV2 - 1x PC Stereo Audio TRIGGER: - 1x Trigger input
Output Interfaces	VIDEO: - 2 x BNC looped through Output (CVBS 1Vp-p, 75ohms terminated) AUDIO - Built in speakers: 2x1 W (Stereo)
Features supported	PIP (Picture in Picture), PbP (Picture By Picture) VOV (Video Over Video)
Languages (OSD)	English, French, Deutsch, Italian, Spanish, Portuguese, Nederland
Power requirement (power pack)	100~240 V AC, 50/60 Hz
Power requirement (monitor)	12 V DC, 2.3 A
Power consumption	28 W
Material	ABS plastic
Dimensions (W x H x D)	548 x 410 x 182 mm (with base) 548 x 330 x 55 mm (without base)
Package dimensions (W x H x D)	610 x 485 x 170mm
Weight	Net weight: 4.4 kg ; Gross weight: 6.6 kg
Environmental operating temperature	0 ~ 40 °C
Storage temperature	-20 ~ +60 °C
Relative humidity	Max. 80 %, no condensation
Mounting	VESA™ 100 (100mm x 100mm)
Battery type (Remote Control)	2x AAA / 1.5 V (included)
Approval	CE

■ Details for ordering

Type	Part number	Designation	Weight*
CMTC2315	S54573-C24-A1	58 cm TFT LED Monitor 16:9	6.6 kg

  * Device incl. packing material, accessories that are included in the delivery, and documentation

Further products and accessories can be found in the Internet: siemens.com/securityproducts **> Catalogue Downloads**.

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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