



Technical Specifications

MOBOTIX c71

MOBOTIX c71 - Premium Hemispheric Camera

With the hemispherical MOBOTIX c71 for indoor use, you have 360 degrees permanently in view. The c71 provides an all-around view with just a single lens - no detail escapes this camera. Fully integrated audio functions, infrared LED and a lens perfectly matched to it complete this product to one of the most powerful cameras on the market. Powerful apps provide AI-based video analysis functions to actively relieve staff - in healthcare, retail or wherever entire rooms need to be monitored.

- MOBOTIX 7 Platform with app support
- Flexible codec support: H.264, H.265, MxPEG+ and MJPEG
- ONVIF Profile S, T, G conformity guarantees utmost interoperability
- 4K (1:1) effective max. resolution 2144x2144 (original hemispherical image)
- Integrated Audio (Mic & Speaker)
- Integrated IR LED
- Wide Dynamic Range (WDR) with up to 120 dB



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Order Information

Name	MOBOTIX c71
Order Code:	Mx-c71A-8DN016

Hardware

Image sensor (DN)	4k (1:1) effective max. resolution 2144x2144
Light sensitivity	<ul style="list-style-type: none">▪ Color sensor (day): 0,1 lx @ 1/60 s; 0,005 lx @ 1 s▪ BW sensor (night): 0,02 lx @ 1/60 s; 0,001 lx @ 1 s
Exposure control	Manual and automatic mode 1 s to 1/16,000 s
Operating temperature range	-10 to 50 °C/-14 to 122 °F
Internal DVR, out of the box	MicroSD card (8 GB), MxPEG+ recording only

Microphone/Speaker	<p>Integrated Microphone:</p> <ul style="list-style-type: none"> ▪ Sensitivity: -35 dB +/-4 dB (0 dB = 1 V/pa, 1 kHz) <p>Integrated Loudspeaker:</p> <ul style="list-style-type: none"> ▪ 0.9 W at 8 Ohm
Integrated illumination	IR up to 15 m
Shock detector (tamper detection)	Yes
Max. power consumption	max. 25 W
Average power consumption	12.2 W
Electrical surge protection	Available with MX-Overvoltage-Protection-Box (not part of the scope of delivery)
PoE standard	PoE Plus (802.3at-2009)/Class 4 (Class 3 can be enabled via HW switch. Note: IR illumination requires Class 4)
Interfaces	<ul style="list-style-type: none"> ▪ Ethernet 1000BaseT (RJ45 according to EIA/TIA-568B) ▪ USB-C/USB2.0; High-Speed ($V_{out} = 5.1\text{ V}$, $I_{out} = 0.9\text{ A}$, $P_{out} = 4.5\text{ W}$)
Mounting Options	Wall- or ceiling-mountable
Dimensions (Ø x height)	164 x 47,5 mm
Weight	Gross weight: 1.040 g
Housing	Aluminum, PBT-30GF

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Standard accessories	2 terminal blocks 1 mounting cable with sealing, 0.5 m/~2 in 2 silicone sealings for patch cable 1 Ethernet patch cable RJ45, 50 cm/19.7 in 1 Allen wrench 2.5 mm 1 c71 lens wrench 4 dowels 8 mm 4 stainless steel pan head-screws 4.5x60 mm 4 stainless steel washers Ø5.3 mm 1 Torx wrench TX 20 4 sealing plugs, white 1 Important Safety Information 1 Camera Connection Flyer
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Detailed technical documentation	www.mobotix.com > Support > Download Center > Marketing & Documentation
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MTBF	80,000 hours
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Certificates	EN 50121-4, EN 55032, EN 55035, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 62368-1, EN 63000, AS/NZS CISPR32, 47 CFR Part 15b
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Protocols	DHCP (client and server), DNS, ICMP, IGMP v3, IPv4, IPv6, HTTP, HTTPS, FTP, FTPS, NFS, NTP (client and server), RTP, RTCP, RTSP, SFTP, SIP (client and server), SMB/CIFS, SNMP, SMTP, SSL/TLS 1.3, TCP, UDP, VLAN, VPN, Zero-conf/mDNS
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Manufacturer warranty	5 years
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Image Formats, Frame Rates, Image Storage

Available video codecs	<ul style="list-style-type: none">▪ H.264, H.265▪ MxPEG+▪ MJPEG
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Image resolutions	VGA 640x360, XGA 1024x576, HD 1280x720, FullHD 1920x1080, 4MP 2688x1512, 4K 1:1 2144x2144
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Multi streaming	H.264, H.265 with triple streaming
Multicast stream via RTSP	Yes
Max. image resolution	4K (1:1) effective max. resolution 2144x2144 hemispheric image
Max. frame rate (fps)	MxPEG: 20@4k, H.264: 30@4k, H.265: 30@4k

General Features

Feature	Properties
WDR	Up to 120 dB
Software features	<ul style="list-style-type: none"> ▪ H.264, H.265 Multistreaming ▪ Multicast stream via RTSP ▪ Digital pan, tilt, zoom/vPTZ (up to 8x zoom) ▪ Genetec protocol integration ▪ Custom exposure zones ▪ Snapshot recording (pre/post-alarm images) ▪ Continuous recording ▪ Event recording ▪ Time-controlled flexible event logic ▪ Weekly schedules for recordings and actions ▪ Event video and image transfer via FTP and email ▪ Playback and QuadView via web browser ▪ Animated logos on the image ▪ Master/Slave functionality ▪ Privacy zone scheduling ▪ Remote alarm notification (network message) ▪ Programming interface (HTTP-API) ▪ MOBOTIX MessageSystem
ONVIF compatibility	Profile G, S, T
Master/Slave functionality	Yes

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Feature	Properties
Remote alarm notification	email, network message (HTTP/HTTPS), SNMP, MxMessageSystem
DVR / image storage management	<ul style="list-style-type: none">▪ MxPEG+ only▪ Internal microSD card (SDHC/SDXC), 8 GB out of the box▪ On external USB and NAS devices,▪ Different streams for live image and recording▪ MxFFS with buffered archive, pre- and post-alarm images, storage monitoring with error reporting
Camera and data security	User and group management , SSL connections, IP-based access control, IEEE 802.1X, intrusion detection, digital image signature

Video Analysis

Video motion detection	Yes
MxActivitySensor	Version 1.0, 2.1
MxAnalytics	Heatmap, people counting & object-based counting
MOBOTIX App support	No

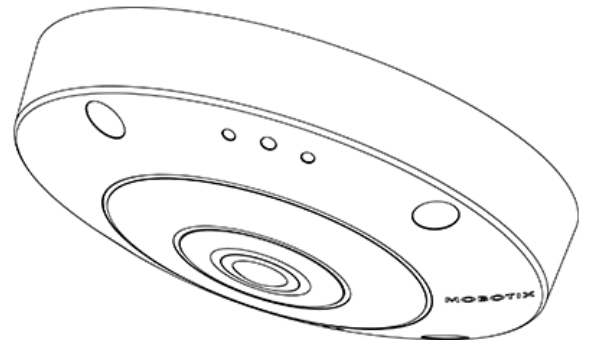
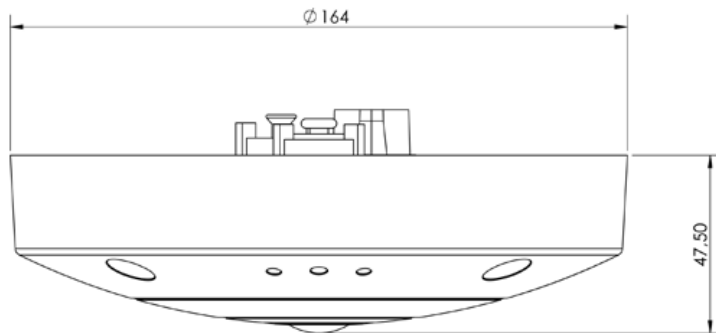
Video Management Software

Feature	Properties
MOBOTIX HUB	Yes Support > Download Center > Software Downloads">www.mobotix.com > Support > Download Center > Software Downloads
MxManagementCenter	Yes (MxMC 2.2 and higher) Support > Download Center > Software Downloads">www.mobotix.com > Support > Download Center > Software Downloads
MOBOTIX LIVE App	Yes Available in Android and iOS App Stores.

Dimensions

NOTE! Download the drilling template from the section or on the MOBOTIX website: www.mobotix.com > [Support > Download Center > Marketing & Documentation > Drilling Templates.](#)

CAUTION! Always print or copy the drilling template at 100% of the original size!



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BeyondHumanVision

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