

# ArkCam Basic+ mini Übersicht / Overview



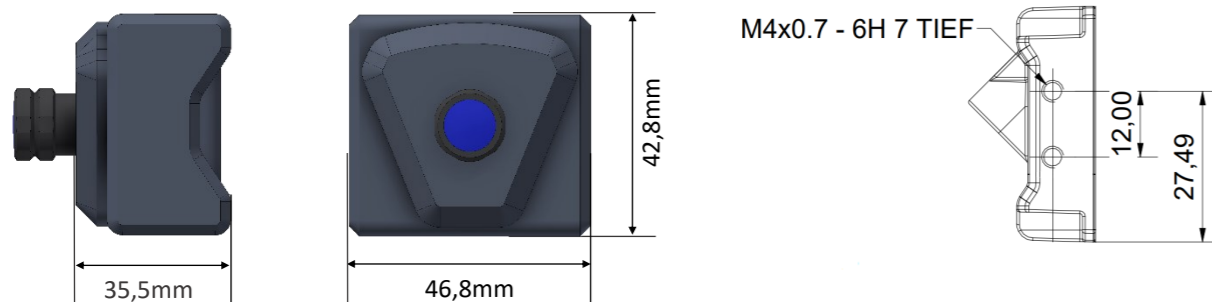
	Mini T1   Mini TX	Mini TX/X	Mini TX/DE	Mini T1   Mini TX 2MP	Mini TX/X 2MP	Mini VE
<b>Auflösung / Resolution (Sensor)</b>	1920x1080 (2MP)					
<b>CMOS Sensor</b>	1/2.8" / HDR					
<b>Kompressionsformat / Compression format</b>	H.264 (720p) / MJPEG (720p)			H.264 (720p) / MJPEG (1080p)		
<b>Max. Videostream</b>	1280x720@60fps			1920x1080@60fps		1280x960@60fps
<b>Spannungsversorgung / Power supply</b>	9-60V DC					
<b>Leistungsaufnahme / Power consumption</b>	< 3W					
<b>Bildwinkel / Viewing angles</b>	90° / 130° / 180°			60° / 130° / 180°		90° / 120°
<b>Temperatur</b>	-40°C bis/to +95°C					
<b>Schutzklasse / Protection classes</b>	IP68 / IP69K					
<b>Schnittstelle / Interface</b>	100BASE-T1 oder/or 100BASE-TX	100BASE-TX		100BASE-T1 oder/or 100BASE-TX	100BASE-TX	100BASE-TX
<b>Gehäuse / Housing</b>	Aluminium					
<b>Anschlüsse / Connector <sup>1</sup></b>	<b>T1:</b> M12D-Coded Female-4p I <b>TX:</b> M12D-Coded Female-4p + offene Litzen / open Wire	M12X-Coded Female-8p	M12D-Coded Male-4p DTM04-2P-E004	<b>T1:</b> M12D-Coded Female-4p I <b>TX:</b> M12D-Coded Female-4p + offene Litzen / open Wire	M12X-Coded Female-8p	M12D-Coded Male-4p DTM04-2P-E004
	1 Meter	1 Meter	0,5 Meter	1 Meter	1 Meter	0,5 Meter
<b>Konfigurations-Tool / Configurations-Tool</b>	WebGUI & TCP Protocols					
<b>Protokoll / Protocol</b>	RTP/RTSP, TCP/UDP, HTTP, REST API, ISO17215 (OPC UA, ONVIF auf Anfrage / on demand)					
<b>EMV Belastbarkeit / EMC</b>	Zulassungen gemäß allen relevanten EMV-Richtlinien aus den Bereichen Industrie, Landmaschinen und Baumaschinen. Zertifikate auf Anfrage erhältlich. / Approvals in accordance with all relevant EMC directives in the fields of industry, agricultural machinery and construction machinery. Certificates available on request.					
<b>mechanische Belastbarkeit / Mechanical load capacity</b>	Stoß- und Vibrationsfest für den Einsatz in den Bereichen Landmaschinen und Baumaschinen. Zertifikate auf Anfrage erhältlich. / Shock and vibration resistant for use in agricultural machinery and construction machinery. Certificates available on request.					
<b>Gewicht / Weight</b>	0,18kg					

<sup>1</sup>am Kabel angespritzt / molded onto the cable

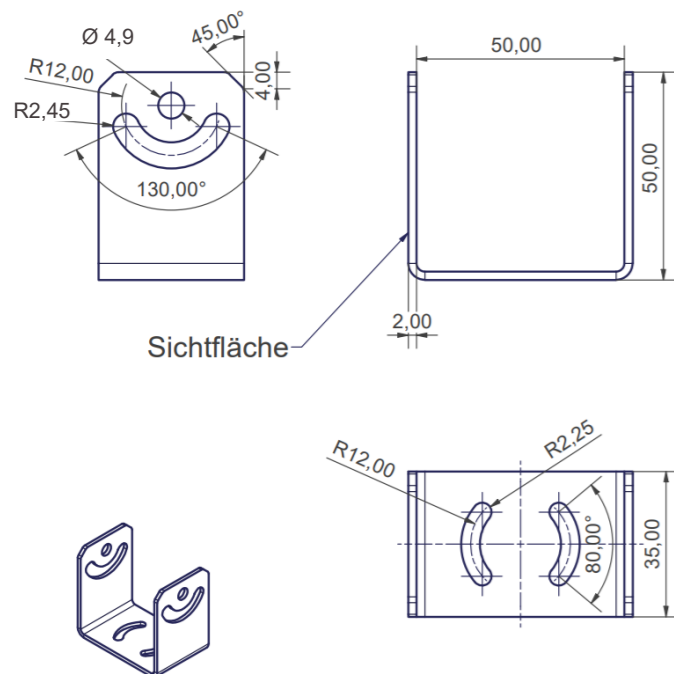
### eff. Bildwinkel / Angle of view

Bezeichnung	eff. horizontaler Bildwinkel eff. horizontal angle of view	eff. vertikaler Bildwinkel eff. vertical angle of view
ArkCam Basic+ mini 90°	98°	54°
ArkCam Basic+ mini 130°	128°	70°
ArkCam Basic+ mini 180°	190°	124°
ArkCam Basic+ mini 90° VE	98°	54°
ArkCam Basic+ mini 120° VE	128°	94°
ArkCam Basic+ mini X 60° 2MP	64°	34°
ArkCam Basic+ mini X 90° 2MP	102°	52°
ArkCam Basic+ mini X 130° 2MP	135°	73°
ArkCam Basic+ mini X 180° 2MP	203°	101°

### Maße / Dimensions



### Halterung / Mounting bracket



Maße in / Dimensions in mm

### Anzahl der Videostreams / Number of Videostreams



Randbedingung: Maximal sind insgesamt 5 Streams (RTSP, RTP, HTTP) gleichzeitig möglich.

RTSP (MJPEG oder H264): jeder RTSP-Zugriff belegt 1 Stream, nach Beendigung der Wiedergabe wird der Stream wieder freigegeben

RTP (MJPEG oder H264): Aktiviertes RTP belegt automatisch 1 Stream

HTTP (JPEG): maximal 2 Streams möglich

Boundary condition: Maximum total of 5 streams (RTSP, RTP, HTTP) possible at the same time.

RTSP (MJPEG or H264): each RTSP access occupies 1 stream, after finishing playback the stream is released again

RTP (MJPEG or H264): Enabled RTP automatically occupies 1 stream

HTTP (JPEG): maximum 2 streams possible

	H264 RTP (max 1)	H264 RTSP (max 5)	MJPEG RTP (max 1)	MJPEG RTSP (max 5)	MJPEG HTTP (max 2)
Anzahl der Videostreams / No of Videostreams		5			
			4		1
			4	1	
			4		1
	1		4		
			3		2
	1		3		1
			3	1	
			3		2
	1		3	1	
	1		3		1
			2		3
			2	1	2
	1		2	1	1
	1		2		2
			1		4
			1		4
			1	1	3
			1	1	3
	1		1	1	2
1		1	1	2	
				5	
			1	4	
1				4	
1			1	3	

Sensor Mode	Frequency 50hz					
Mode	WDR 12FPS	Normal 25FPS	WDR 25FPS	DNR 25FPS	Normal 50FPS	
Video Format	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264	MJPEG
<b>Basic+ mini X 2MP</b>	1920x1080 (12/6/4/2/1fps) <sup>1</sup> 1280x720 (12/6/4/2/1fps) 960x544 (12/6/4/2/1fps) 800x600 (12/6/4/2/1fps) 800x480 (12/6/4/2/1fps) 704x400 (12/6/4/2/1fps) 640x480 (12/6/4/2/1fps) 640x360 (12/6/4/2/1fps) 480x360 (12/6/4/2/1fps) 320x240 (12/6/4/2/1fps)		1920x1080 (25/5/1fps) <sup>1</sup> 1280x720 (25/5/1fps) 960x544 (25/5/1fps) 800x600 (25/5/1fps) 800x480 (25/5/1fps) 704x400 (25/5/1fps) 640x480 (25/5/1fps) 640x360 (25/5/1fps) 480x360 (25/5/1fps) 320x240 (25/5/1fps)		1280x720 (50/25/10/5/2/1fps) 960x544 (50/25/10/5/2/1fps) 800x600 (50/25/10/5/2/1fps) 800x480 (50/25/10/5/2/1fps) 704x400 (50/25/10/5/2/1fps) 640x480 (50/25/10/5/2/1fps) 640x360 (50/25/10/5/2/1fps) 480x360 (50/25/10/5/2/1fps) 320x240 (50/25/10/5/2/1fps)	1920x1080 (50/25/10/5/2/1fps) 1280x720 (50/25/10/5/2/1fps) 960x544 (50/25/10/5/2/1fps) 800x600 (50/25/10/5/2/1fps) 800x480 (50/25/10/5/2/1fps) 704x400 (50/25/10/5/2/1fps) 640x480 (50/25/10/5/2/1fps) 640x360 (50/25/10/5/2/1fps) 480x360 (50/25/10/5/2/1fps) 320x240 (50/25/10/5/2/1fps)
<b>Basic+ mini X</b>	1280x720 (12/6/4/2/1fps) 960x544 (12/6/4/2/1fps) 800x600 (12/6/4/2/1fps) 800x480 (12/6/4/2/1fps) 704x400 (12/6/4/2/1fps) 640x480 (12/6/4/2/1fps) 640x360 (12/6/4/2/1fps) 480x360 (12/6/4/2/1fps) 320x240 (12/6/4/2/1fps)		1280x720 (25/5/1fps) 960x544 (25/5/1fps) 800x600 (25/5/1fps) 800x480 (25/5/1fps) 704x400 (25/5/1fps) 640x480 (25/5/1fps) 640x360 (25/5/1fps) 480x360 (25/5/1fps) 320x240 (25/5/1fps)		1280x720 (50/25/10/5/2/1fps) 960x544 (50/25/10/5/2/1fps) 800x600 (50/25/10/5/2/1fps) 800x480 (50/25/10/5/2/1fps) 704x400 (50/25/10/5/2/1fps) 640x480 (50/25/10/5/2/1fps) 640x360 (50/25/10/5/2/1fps) 480x360 (50/25/10/5/2/1fps) 320x240 (50/25/10/5/2/1fps)	1280x720 (50/25/10/5/2/1fps) 960x544 (50/25/10/5/2/1fps) 800x600 (50/25/10/5/2/1fps) 800x480 (50/25/10/5/2/1fps) 704x400 (50/25/10/5/2/1fps) 640x480 (50/25/10/5/2/1fps) 640x360 (50/25/10/5/2/1fps) 480x360 (50/25/10/5/2/1fps) 320x240 (50/25/10/5/2/1fps)
<b>VE X</b>	1280x960 (12/6/4/2/1fps) 1280x720 (12/6/4/2/1fps) 960x544 (12/6/4/2/1fps) 800x600 (12/6/4/2/1fps) 800x480 (12/6/4/2/1fps) 704x400 (12/6/4/2/1fps) 640x480 (12/6/4/2/1fps) 640x360 (12/6/4/2/1fps) 480x360 (12/6/4/2/1fps) 320x240 (12/6/4/2/1fps)		1280x960 (25/5/1fps) 1280x720 (25/5/1fps) 960x544 (25/5/1fps) 800x600 (25/5/1fps) 800x480 (25/5/1fps) 704x400 (25/5/1fps) 640x480 (25/5/1fps) 640x360 (25/5/1fps) 480x360 (25/5/1fps) 320x240 (25/5/1fps)		1280x960 (25/5/1fps) 1280x720 (50/25/10/5/2/1fps) 960x544 (50/25/10/5/2/1fps) 800x600 (50/25/10/5/2/1fps) 800x480 (50/25/10/5/2/1fps) 704x400 (50/25/10/5/2/1fps) 640x480 (50/25/10/5/2/1fps) 640x360 (50/25/10/5/2/1fps) 480x360 (50/25/10/5/2/1fps) 320x240 (50/25/10/5/2/1fps)	

<sup>1</sup> nur MJPEG möglich / only MJPEG possible

Sensor Mode		Frequency 60hz					
Mode	WDR 15FPS	Normal 30FPS	WDR 30FPS	DNR 30FPS	Normal 60FPS		
Video Format	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264	MJPEG	
<b>Basic+ mini X 2MP</b>	1920x1080 (15/5/3/1fps) <sup>1</sup> 1280x720 (15/5/3/1fps) 960x544 (15/5/3/1fps) 800x600 (15/5/3/1fps) 800x480 (15/5/3/1fps) 704x400 (15/5/3/1fps) 640x480 (15/5/3/1fps) 640x360 (15/5/3/1fps) 480x360 (15/5/3/1fps) 320x240 (15/5/3/1fps)		1920x1080 (30/15/10/6/5/3/2/1fps) <sup>1</sup> 1280x720 (30/15/10/6/5/3/2/1fps) 960x544 (30/15/10/6/5/3/2/1fps) 800x600 (30/15/10/6/5/3/2/1fps) 800x480 (30/15/10/6/5/3/2/1fps) 704x400 (30/15/10/6/5/3/2/1fps) 640x480 (30/15/10/6/5/3/2/1fps) 640x360 (30/15/10/6/5/3/2/1fps) 480x360 (30/15/10/6/5/3/2/1fps) 320x240 (30/15/10/6/5/3/2/1fps)			1280x720 (60/30/15/10/6/5/3/2/1fps) 960x544 (60/30/15/10/6/5/3/2/1fps) 800x600 (60/30/15/10/6/5/3/2/1fps) 800x480 (60/30/15/10/6/5/3/2/1fps) 704x400 (60/30/15/10/6/5/3/2/1fps) 640x480 (60/30/15/10/6/5/3/2/1fps) 640x360 (60/30/15/10/6/5/3/2/1fps) 480x360 (60/30/15/10/6/5/3/2/1fps) 320x240 (60/30/15/10/6/5/3/2/1fps)	1920x1080 (60/30/15/10/6/5/3/2/1fps) 1280x720 (60/30/15/10/6/5/3/2/1fps) 960x544 (60/30/15/10/6/5/3/2/1fps) 800x600 (60/30/15/10/6/5/3/2/1fps) 800x480 (60/30/15/10/6/5/3/2/1fps) 704x400 (60/30/15/10/6/5/3/2/1fps) 640x480 (60/30/15/10/6/5/3/2/1fps) 640x360 (60/30/15/10/6/5/3/2/1fps) 480x360 (60/30/15/10/6/5/3/2/1fps) 320x240 (60/30/15/10/6/5/3/2/1fps)
<b>Basic+ mini X</b>	1280x720 (15/5/3/1fps) 960x544 (15/5/3/1fps) 800x600 (15/5/3/1fps) 800x480 (15/5/3/1fps) 704x400 (15/5/3/1fps) 640x480 (15/5/3/1fps) 640x360 (15/5/3/1fps) 480x360 (15/5/3/1fps) 320x240 (15/5/3/1fps)		1280x720 (30/15/10/6/5/3/2/1fps) 960x544 (30/15/10/6/5/3/2/1fps) 800x600 (30/15/10/6/5/3/2/1fps) 800x480 (30/15/10/6/5/3/2/1fps) 704x400 (30/15/10/6/5/3/2/1fps) 640x480 (30/15/10/6/5/3/2/1fps) 640x360 (30/15/10/6/5/3/2/1fps) 480x360 (30/15/10/6/5/3/2/1fps) 320x240 (30/15/10/6/5/3/2/1fps)			1280x720 (60/30/15/10/6/5/3/2/1fps) 960x544 (60/30/15/10/6/5/3/2/1fps) 800x600 (60/30/15/10/6/5/3/2/1fps) 800x480 (60/30/15/10/6/5/3/2/1fps) 704x400 (60/30/15/10/6/5/3/2/1fps) 640x480 (60/30/15/10/6/5/3/2/1fps) 640x360 (60/30/15/10/6/5/3/2/1fps) 480x360 (60/30/15/10/6/5/3/2/1fps) 320x240 (60/30/15/10/6/5/3/2/1fps)	
<b>VE X</b>	1280x960 (15/5/3/1fps) 1280x720 (15/5/3/1fps) 960x544 (15/5/3/1fps) 800x600 (15/5/3/1fps) 800x480 (15/5/3/1fps) 704x400 (15/5/3/1fps) 640x480 (15/5/3/1fps) 640x360 (15/5/3/1fps) 480x360 (15/5/3/1fps) 320x240 (15/5/3/1fps)		1280x960 (30/15/10/6/5/3/2/1fps) 1280x720 (30/15/10/6/5/3/2/1fps) 960x544 (30/15/10/6/5/3/2/1fps) 800x600 (30/15/10/6/5/3/2/1fps) 800x480 (30/15/10/6/5/3/2/1fps) 704x400 (30/15/10/6/5/3/2/1fps) 640x480 (30/15/10/6/5/3/2/1fps) 640x360 (30/15/10/6/5/3/2/1fps) 480x360 (30/15/10/6/5/3/2/1fps) 320x240 (30/15/10/6/5/3/2/1fps)			1280x960 (30/15/10/6/5/3/2/1fps) 1280x720 (60/30/15/10/6/5/3/2/1fps) 960x544 (60/30/15/10/6/5/3/2/1fps) 800x600 (60/30/15/10/6/5/3/2/1fps) 800x480 (60/30/15/10/6/5/3/2/1fps) 704x400 (60/30/15/10/6/5/3/2/1fps) 640x480 (60/30/15/10/6/5/3/2/1fps) 640x360 (60/30/15/10/6/5/3/2/1fps) 480x360 (60/30/15/10/6/5/3/2/1fps) 320x240 (60/30/15/10/6/5/3/2/1fps)	

<sup>1</sup> nur MJPEG möglich / only MJPEG possible