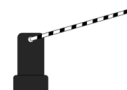




# ArkVisionUnit 7"



Made in Germany



## ArkVisionUnit 7"

Der robuste & digitale Monitor der ArkVisionUnit-Familie ist in der Bildschirmdiagonale von 7" unser Einstiegsmodell in die digitale Anzeigewelt. Er ist perfekt auf unsere Kameras der ArkCam-Serie abgestimmt und bietet durch die 800x480 Auflösung gestochen scharfe Bilder.

Er ist der perfekte Einstieg in die volldigitale Live-Video Bildanzeige.

Die Benutzerfreundlichkeit des Monitors wird durch die flexiblen und freikonfigurierbaren Triggerleitungen, sowie die unterschiedlichsten Ansichten und Funktionen unterstrichen. Die hohen Standards für Schock- und Vibrationsfestigkeit bei mobilen Anwendungen sowie die Schutzklasse IP65 runden unseren digitalen 7" Monitor ab.

Unser Monitor ist in Deutschland entwickelt und hergestellt.

*The robust & digital monitor of the ArkVisionUnit family is in the screen size of 7" our entry model into the digital display world. It is perfectly matched to our cameras of the ArkCam series and offers pin sharp images due to the 800x480 resolution.*

*It is the perfect entry into the fully digital live video image display.*

*The user-friendliness of the monitor is underlined by the flexible and freely configurable trigger lines, as well as the most diverse views and functions. The high standards for shock and vibration resistance for mobile applications as well as the IP65 protection class complete our digital 7" monitor.*

*Our monitor is developed and manufactured in Germany.*

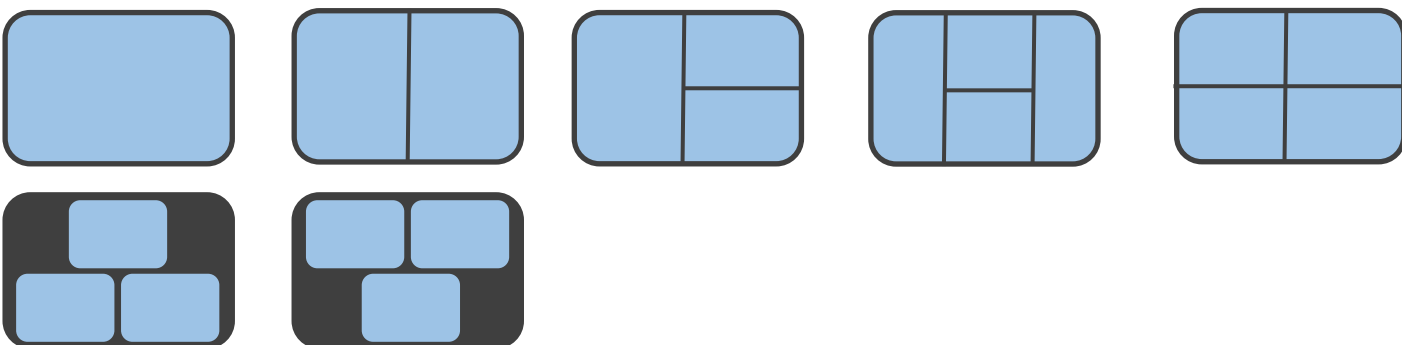
### Key Facts

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>▪ Bildschirmauflösung <b>800x480</b></li><li>▪ Bildschirmhelligkeit typ. <b>1200 cd/m²</b></li><li>▪ Bedienung via <b>Touch</b></li><li>▪ Temperaturbereich <b>-20°C bis +70°C</b></li><li>▪ Betriebssystem <b>Linux</b></li><li>▪ Schutzklasse <b>IP65</b></li><li>▪ <b>Schnittstellen</b><ul style="list-style-type: none"><li>▪ 3x GPI</li><li>▪ 1x Ethernet (TX) oder Single-Pair-Ethernet (T1)</li></ul></li></ul> | <ul style="list-style-type: none"><li>▪ <i>Screen resolution <b>800x480</b></i></li><li>▪ <i>Screen brightness typ. <b>1200 cd/m²</b></i></li><li>▪ <i>Operation via <b>touch</b></i></li><li>▪ <i>Temperature range <b>-20°C to +70°C</b></i></li><li>▪ <i>Operating system <b>Linux</b></i></li><li>▪ <i>Protection class <b>IP65</b></i></li><li>▪ <i><b>Interfaces</b></i><ul style="list-style-type: none"><li>▪ <i>3x GPI</i></li><li>▪ <i>1x Ethernet (TX) or Single-Pair-Ethernet (T1)</i></li></ul></li></ul> |
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### Mögliche Bildansichten / Possible Picture view

Die Kamerabilder können via Touch-Geste getauscht werden.

*The camera images can be changed via touch gesture.*

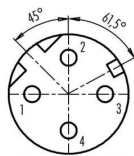


| Technische Daten                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Technical specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Bildschirm</b> <ul style="list-style-type: none"> <li>▪ Kapazitiver Touchscreen</li> <li>▪ Multitouch</li> <li>▪ Entspiegelt</li> <li>▪ Bildschirmauflösung 800x480</li> <li>▪ Bildschirmhelligkeit 1200 cd/m<sup>2</sup></li> <li>▪ Bildschirmgröße 7"</li> <li>▪ Kontrastverhältnis 500:1</li> </ul> <b>Betrachtungswinkel</b> <ul style="list-style-type: none"> <li>▪ Typ. 60°/80°/80°/80°<br/>unten / oben / links / rechts</li> </ul> <b>Spannungsversorgung</b> <ul style="list-style-type: none"> <li>▪ 9-36V DC</li> <li>▪ Leistungsaufnahme &lt; 10 W</li> </ul> <b>Lagertemperaturbereich</b> <ul style="list-style-type: none"> <li>▪ -30°C bis +80°C</li> </ul> <b>Betriebstemperaturbereich</b> <ul style="list-style-type: none"> <li>▪ -20°C bis +70°C</li> </ul> <b>EMV Belastbarkeit / Zulassung</b> <ul style="list-style-type: none"> <li>▪ Zulassungen gemäß allen relevanten EMV-Richtlinien aus den Bereichen Industrie, Landmaschinen, Stapler und Baumaschinen. Zertifikate auf Anfrage erhältlich.</li> </ul> <b>Mechanische Belastbarkeit</b> <ul style="list-style-type: none"> <li>▪ Stoß- und Vibrationsfest für den Einsatz in den Bereichen Landmaschinen, Stapler und Baumaschinen. Zertifikate auf Anfrage erhältlich.</li> </ul> <b>Schutzklassen</b> <ul style="list-style-type: none"> <li>▪ IP65 Schutz gegen Wasserstrahl (Düse) aus beliebigem Winkel.</li> <li>▪ Zertifikate auf Anfrage erhältlich.</li> </ul> <b>Schnittstellen</b> <ul style="list-style-type: none"> <li>▪ Ethernet 100BASE-TX oder Single-Pair-Ethernet 100BASE-T1 (T1 mit und ohne Power out)</li> <li>▪ 3x GPI</li> </ul> <b>Steckverbindung</b> <ul style="list-style-type: none"> <li>▪ 1x M12/D</li> <li>▪ 1x M12/A</li> </ul> <b>Gehäuse</b> <ul style="list-style-type: none"> <li>▪ Automotive PC-ABS</li> </ul> <b>Protokoll</b> <ul style="list-style-type: none"> <li>▪ RTP, TCP/UDP</li> </ul> <b>Videoformat</b> <ul style="list-style-type: none"> <li>▪ H.264 I MJPEG</li> </ul> | <b>Screen</b> <ul style="list-style-type: none"> <li>▪ Capacitive touch screen</li> <li>▪ Multitouch</li> <li>▪ Anti-reflective</li> <li>▪ Screen resolution 800x480</li> <li>▪ Screen brightness 1200 cd/m<sup>2</sup></li> <li>▪ Screen size 7"</li> <li>▪ Contrast ratio 500:1</li> </ul> <b>Viewing angle</b> <ul style="list-style-type: none"> <li>▪ Typ. 60°/80°/80°/80°<br/>bottom / top / left / right</li> </ul> <b>Power supply</b> <ul style="list-style-type: none"> <li>▪ 9-36V DC</li> <li>▪ Power consumption &lt; 10 W</li> </ul> <b>Storage temperature</b> <ul style="list-style-type: none"> <li>▪ -30°C bis +80°C</li> </ul> <b>Operating temperature</b> <ul style="list-style-type: none"> <li>▪ -20°C bis +70°C</li> </ul> <b>Electromagnetic compatibility (EMC)</b> <ul style="list-style-type: none"> <li>▪ Approvals in accordance with all relevant EMC guidelines from the areas of industry, agricultural machinery, forklifts and construction machinery. Certificates available on request.</li> </ul> <b>Mechanical load capacity</b> <ul style="list-style-type: none"> <li>▪ Shock and vibration resistant for use in the areas of agricultural machinery, forklifts and construction machinery. Certificates available on request.</li> </ul> <b>Schutzklassen</b> <ul style="list-style-type: none"> <li>▪ IP65 Protection against water (out of a nozzle) from all directions.</li> <li>▪ Certificates available on request.</li> </ul> <b>Interface</b> <ul style="list-style-type: none"> <li>▪ Ethernet 100BASE-TX or Single-Pair-Ethernet 100BASE-T1 (T1 with and without Power out)</li> <li>▪ 3x GPI</li> </ul> <b>Connector</b> <ul style="list-style-type: none"> <li>▪ 1x M12/D</li> <li>▪ 1x M12/A</li> </ul> <b>Housing</b> <ul style="list-style-type: none"> <li>▪ Automotive PC-ABS</li> </ul> <b>Protocol</b> <ul style="list-style-type: none"> <li>▪ RTP, TCP/UDP</li> </ul> <b>Video format</b> <ul style="list-style-type: none"> <li>▪ H.264 I MJPEG</li> </ul> |

## Steckverbindung / Connector

### Netzwerk / Network100 Base-T1

- 1x M12D-kodiert Buchse 4p /  
*1x M12D-coded Female 4p*

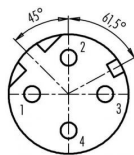


|   | T1   | T1+ Power |
|---|------|-----------|
| 1 | TRX+ | TRX+      |
| 2 | n.c. | Pout      |
| 3 | TRX- | TRX-      |
| 4 | n.c. | GND       |

Stromversorgung für die Kamera kann im Menü ausgewählt werden /  
*Power supply for the camera can be selected in the menu*

### Netzwerk / Network100 Base-TX

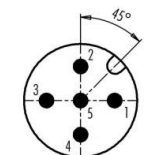
- 1x M12D-kodiert Buchse 4p /  
*1x M12D-coded Female 4p*



|   |     |
|---|-----|
| 1 | TX+ |
| 2 | RX+ |
| 3 | TX- |
| 4 | RX- |

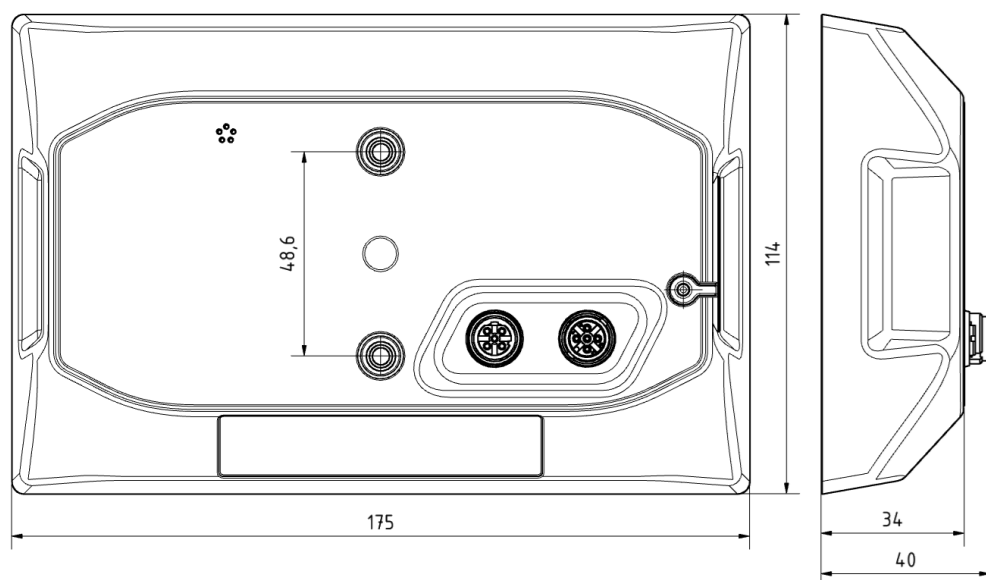
### Versorgung & Signale *Power & Signals*

- 1x M12A-kodiert Stecker 5p /  
*1x M12A-coded Male 5p*
- Spannungsversorgung / *Power supply*  
9-36V DC

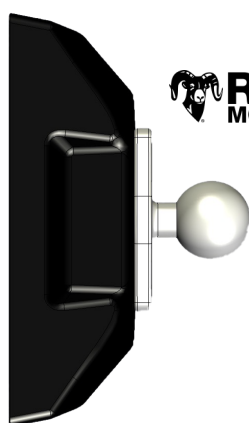


|   |       |
|---|-------|
| 1 | +V DC |
| 2 | GPI1  |
| 3 | GND   |
| 4 | GPI2  |
| 5 | GPI3  |

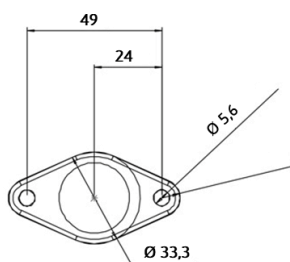
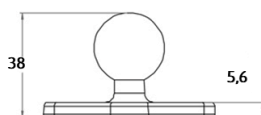
# Maße / Dimensions



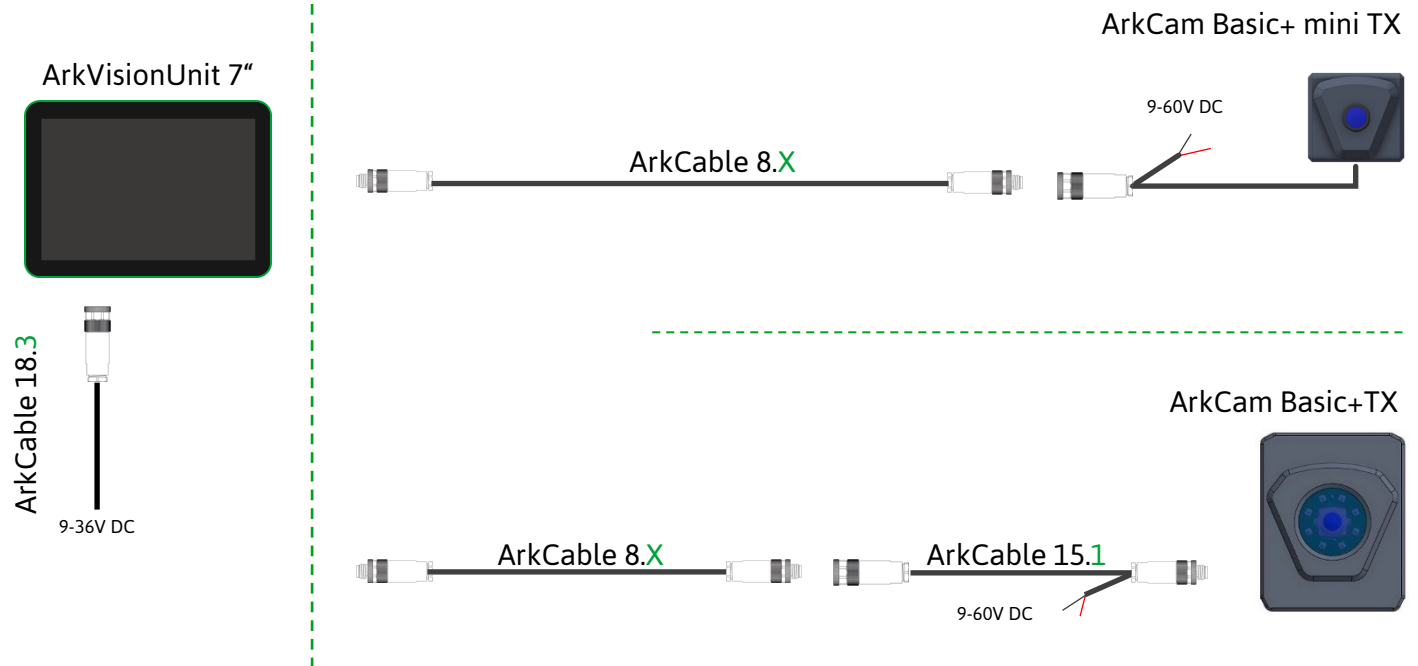
Maße in / Dimensions in mm



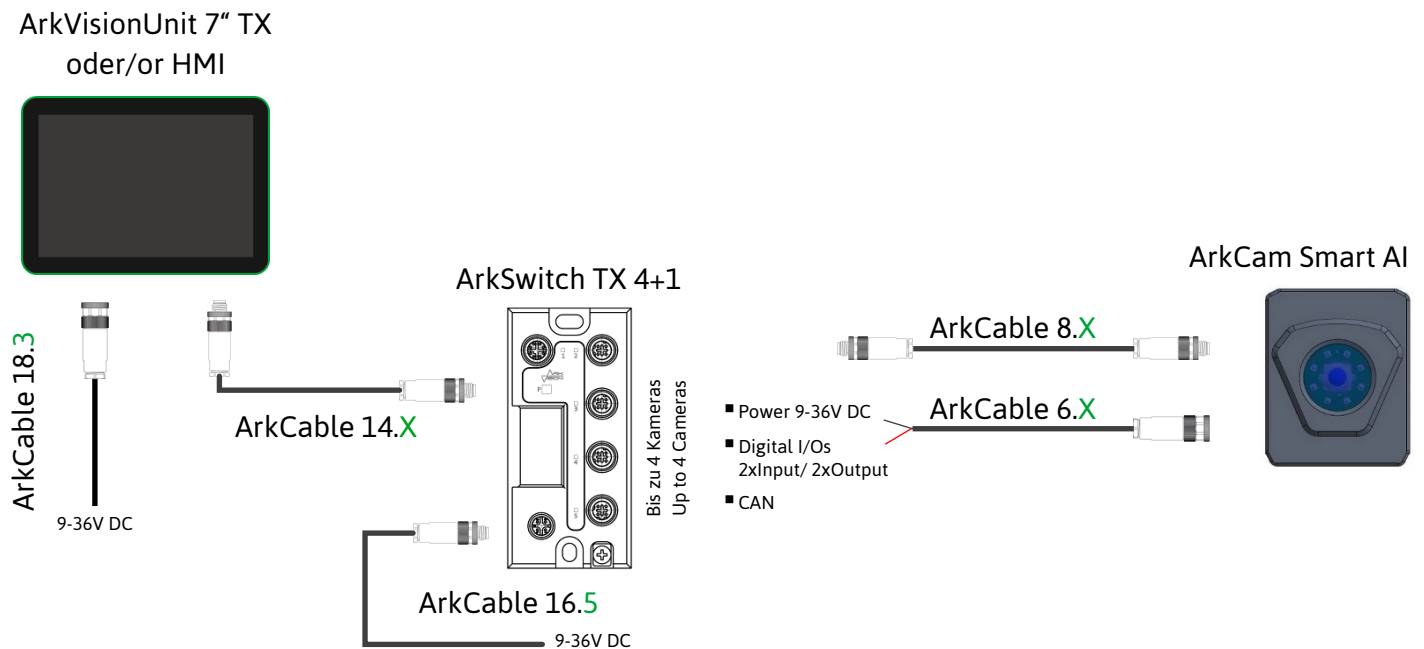
**RAM**  
MOUNTS



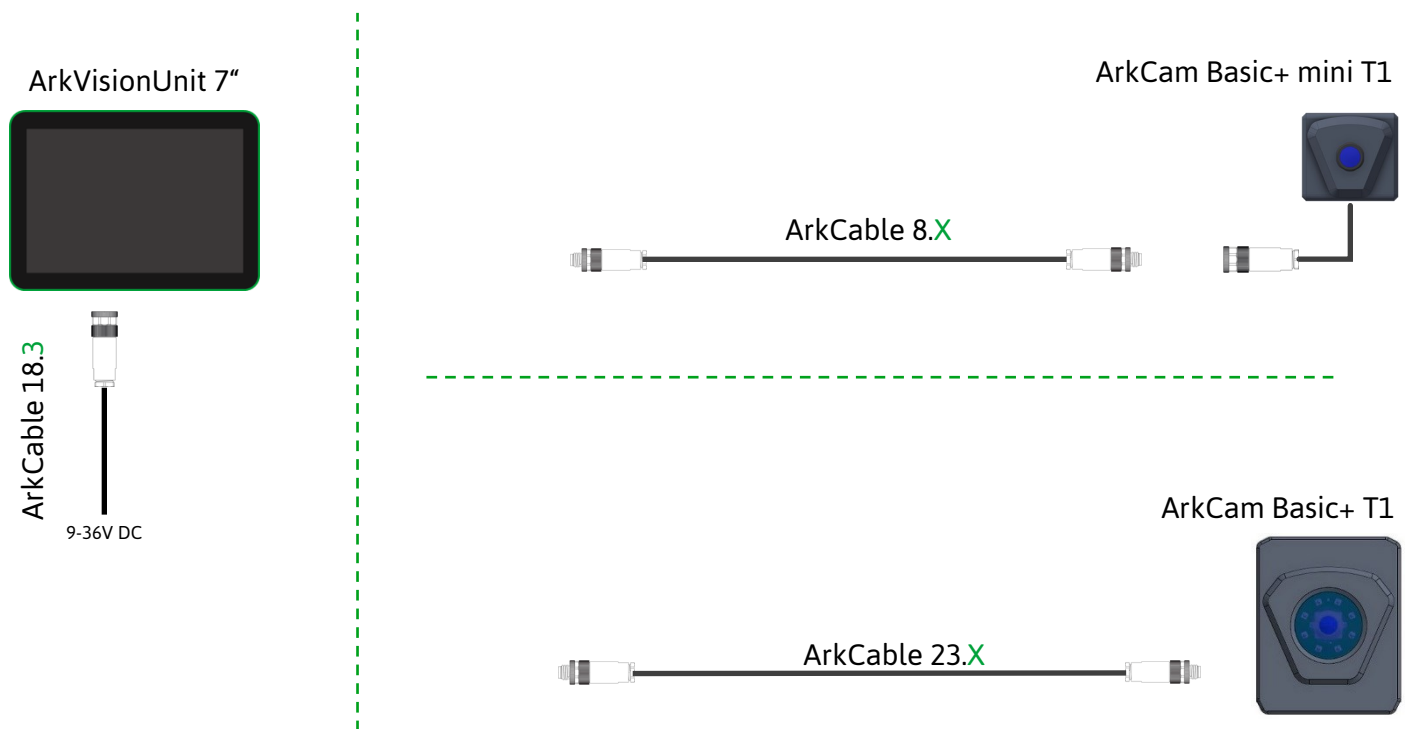
## ArkVisionUnit 7" TX / ArkCam Basic TX



## ArkVisionUnit TX / ArkSwitch TX / ArkCam Smart TX



## ArkVisionUnit T1 / ArkCam Basic T1



## ArkVisionUnit T1 / ArkSwitch T1 / ArkCam Basic T1

