CONTROLLER TABLET SPECIFICATION

Size and Weight²

9.74 inches (247.6 mm)
7.02 inches (178.5 mm)
0.23 inch (5.9 mm)

iPad Pro 11-inch

Wi-Fi models
1.03 pounds (466 grams)
Wi-Fi + Cellular models
1.04 pounds (470 grams)

Buttons and Connectors

Speaker
Three microphones
Speaker
Top button
Camera
Microphone
Volume up/down
Magnetic connector
Microphone
Nano-SIM tray
Smart Connector
Speaker
Speaker
Thunderbolt / USB 4

In the Box

iPad Pro
USB-C Charge Cable (1 meter)
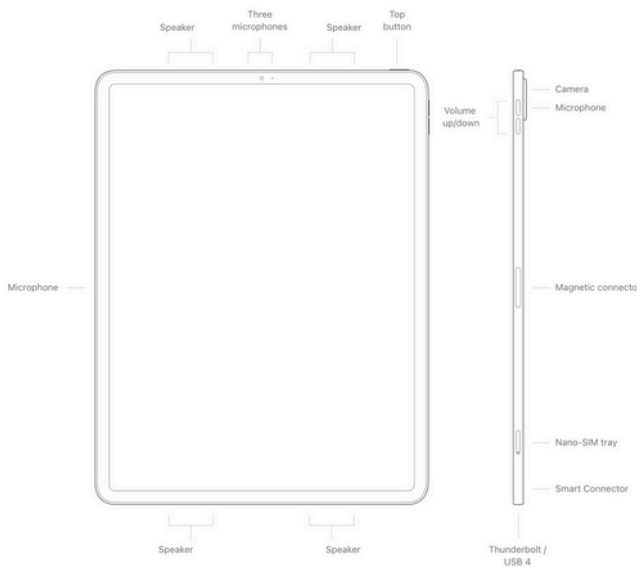20W USB-C Power Adapter

Display

11"
Liquid Retina display

Liquid Retina display

11-inch (diagonal) LED backlit Multi-Touch display with IPS technology

2388-by-1668-pixel resolution at 264 pixels per inch (ppi)

ProMotion technology

Wide color display (P3)

True Tone display

Fingerprint-resistant oleophobic coating

Fully laminated display

Antireflective coating

1.8% reflectivity

SDR brightness: 600 nits max

Supports Apple Pencil (2nd generation)

Apple Pencil hover

The 11-inch iPad Pro display has rounded corners that follow a beautiful curved design, and these corners are within a standard rectangle. When measured as a standard rectangular shape, the screen is 11 inches diagonally (actual viewable area is less).

Environmental Requirements

Operating ambient temperature:
32° to 95° F (0° to 35° C)

Nonoperating temperature:
−4° to 113° F (−20° to 45° C)

Relative humidity:
5% to 95% noncondensing

Operating altitude:
tested up to 10,000 feet (3000 m)

Video Playback

Supported formats include HEVC, H.264, and ProRes
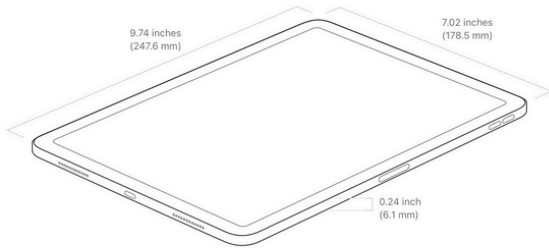
HDR with Dolby Vision, HDR10, and HLG

Operating System

iPadOS 16
iPadOS comes with powerful features and built-in apps designed to take advantage of the unique capabilities of iPad.

Sensors

Face ID
LiDAR Scanner
Three-axis gyro
Accelerometer
Barometer
Ambient light sensor

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CONTROLLER TABLET SPECIFICATION

Apple Pay
Pay with your iPad using Face ID within apps and on the web
Send and receive money in Messages

Charging and Expansion
Thunderbolt / USB 4 port with support for:
Charging
DisplayPort
Thunderbolt 3 (up to 40Gb/s)
USB 4 (up to 40Gb/s)
USB 3.1 Gen 2 (up to 10Gb/s)

Siri[8]
Use your voice to send messages, set reminders, and more
Get proactive suggestions
Use hands-free
Listen and identify songs

SIM Card
Nano-SIM
eSIM[7]

Face ID
Enabled by TrueDepth camera for facial recognition
Unlock iPad
Secure personal data within apps
Make purchases from the iTunes Store, App Store, and Apple Books

Cellular and Wireless

All models
Wi-Fi 6E (802.11ax) with 2x2 MIMO, simultaneous dual band (2.4GHz and 5GHz)[4]
Bluetooth 5.3 technology

Wi-Fi + Cellular models
5G (sub-6 GHz and mmWave) with 4x4 MIMO
Gigabit LTE with 4x4 MIMO and LAA

Model A2435 and A2764:
5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n14, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n70, n71, n77, n78, n79)[8]
5G NR mmWave (Bands n258, n260, n261)
FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 28, 29, 30, 32, 66, 71)
TD-LTE (Bands 34, 38, 39, 40, 41, 42, 46, 48)
UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)
Data only[6]
Wi-Fi calling[5]
eSIM[7]

Location

Capacity[1]

All models	Capacity[1]	
Digital compass	128GB	
Wi-Fi	256GB	
iBeacon microlocation	512GB	
	1TB	
Wi-Fi + Cellular models	2TB	
GPS/GNSS		
Cellular		

Microphones
Five studio-quality microphones for calls, video recording, and audio recording

Audio Calling[3]
FaceTime audio
iPad to any FaceTime-enabled device over Wi-Fi or cellular

Speakers
Four speaker audio

TrueDepth Camera
12MP Ultra Wide camera, 122° field of view
ƒ/2.4 aperture
Portrait mode with advanced bokeh and Depth Control
Portrait Lighting with six effects (Natural, Studio, Contour, Stage, Stage Mono, High-Key Mono)
Animoji and Memoji
Smart HDR 4
1080p HD video recording at 25 fps, 30 fps, or 60 fps
Time-lapse video with stabilization
Extended dynamic range for video up to 30 fps
Cinematic video stabilization (1080p and 720p)
Wide color capture for photos and Live Photos
Lens correction
Retina Flash
Auto image stabilization
Burst mode

Video Calling[3]
FaceTime video
Center Stage
iPad to any FaceTime-enabled device over Wi-Fi or cellular

Camera
Pro camera system: Wide and Ultra Wide cameras
Wide: 12MP, ƒ/1.8 aperture
Ultra Wide: 10MP, ƒ/2.4 aperture, and 125° field of view
2x optical zoom out
Digital zoom up to 5x
Five-element lens (Wide and Ultra Wide)
Brighter True Tone flash
Panorama (up to 63MP)
Sapphire crystal lens cover
Autofocus with Focus Pixels (Wide)
Smart HDR 4
Wide color capture for photos and Live Photos
Lens correction (Ultra Wide)
Advanced red-eye correction
Photo geotagging
Auto image stabilization
Burst mode
Image formats captured: HEIF and JPEG

Chip

Apple M2 chip
8-core CPU with 4 performance cores and 4 efficiency cores
10-core GPU
16-core Neural Engine
100GB/s memory bandwidth
8GB RAM on models with 128GB, 256GB, or 512GB storage
16GB RAM on models with 1TB or 2TB storage

Media engine
Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW
Video decode engine
Video encode engine
ProRes encode and decode engine

ATHENA

OPERATOR TABLET SPECIFICATION

Size and Weight[2]

9.74 inches (247.6 mm)

7.02 inches (178.5 mm)

0.24 inch (6.1 mm)

Wi-Fi models
1.02 pounds (461 grams)

Wi-Fi + Cellular models
1.02 pounds (462 grams)

In the Box

iPad Air

USB-C Charge Cable (1 meter)

20W USB-C Power Adapter

Display

11"
Liquid Retina display
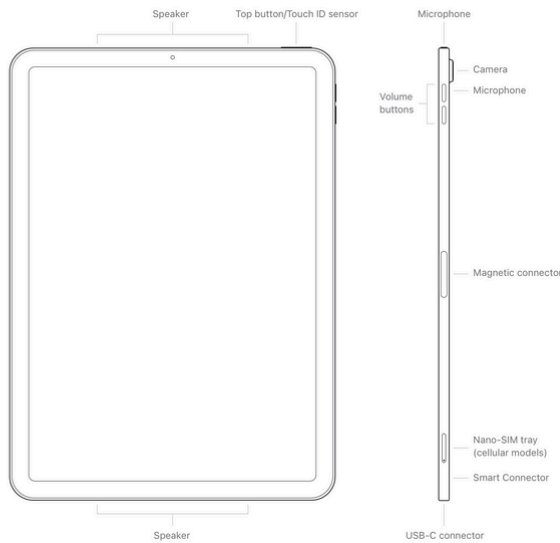
Liquid Retina display

10.9-inch (diagonal)
LED-backlit Multi-Touch display
with IPS technology

2360-by-1640-pixel resolution
at 264 pixels per inch (ppi)

Wide color display (P3)

True Tone display

Fingerprint-resistant
oleophobic coating

Fully laminated display

Antireflective coating

1.8% reflectivity

500 nits brightness

Supports Apple Pencil
(2nd generation)

The iPad Air display has rounded corners.
When measured diagonally as a rectangle,
the screen is 10.86 inches. Actual viewable
area is less.

Buttons and Connectors

Speaker
Top button/Touch ID sensor
Microphone
Camera
Microphone
Volume buttons
Magnetic connector
Nano-SIM tray (cellular models)
Smart Connector
Speaker
USB-C connector

Environmental Requirements

Operating ambient temperature:
32° to 95° F (0° to 35° C)

Nonoperating temperature:
−4° to 113° F (−20° to 45° C)

Relative humidity:
5% to 95% noncondensing

Operating altitude:
tested up to 10,000 feet (3000 m)

Sensors

Touch ID

Three-axis gyro

Accelerometer

Barometer

Ambient light sensor

Video Playback

Supported formats include HEVC, H.264, and ProRes

Supports Dolby Vision and HDR10 content

Operating System

iPadOS 16

iPadOS comes with powerful features and built-in apps designed to take
advantage of the unique capabilities of iPad.

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+1-833-928-4362

ATHENA

OPERATOR TABLET SPECIFICATION

Apple Pay

Pay with your iPad using Touch ID within apps and on the web

Send and receive money in Messages

Siri[7]

Use your voice to send messages, set reminders, and more

Get proactive suggestions

Use hands-free

Listen and identify songs

Touch ID

Unlock iPad

Secure personal data within apps

Make purchases from the iTunes Store, App Store, and Apple Books

Location

Capacity[1]	
	64GB
	256GB

All models

Digital compass

Wi-Fi

iBeacon microlocation

Wi-Fi + Cellular models

GPS/GNSS

Cellular

Microphones

Dual microphones for calls, video recording, and audio recording
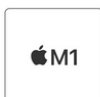
Front Camera

12MP Ultra Wide front camera, 122° field of view

ƒ/2.4 aperture

Smart HDR 3

1080p HD video recording at 25 fps, 30 fps, or 60 fps

Time-lapse video with stabilization

Extended dynamic range for video up to 30 fps

Cinematic video stabilization (1080p and 720p)

Wide color capture for photos and Live Photos

Lens correction

Retina Flash

Auto image stabilization

Burst mode

Chip

M1

Apple M1 chip

8-core CPU with 4 performance cores and 4 efficiency cores

8-core GPU

16-core Neural Engine

8GB RAM

Media engine

Hardware-accelerated H.264 and HEVC

Video decode engine

Video encode engine

Charging and Expansion

USB-C port with support for:

Charging

DisplayPort

USB 3.1 Gen 2 (up to 10Gb/s)

SIM Card

Nano-SIM

eSIM[6]

Cellular and Wireless

All models

802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO

Bluetooth 5.0 technology

Wi-Fi + Cellular models

Model A2589:

5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n29, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79)[4]

FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 28, 29, 30, 32, 66, 71)

TD-LTE (Bands 34, 38, 39, 40, 41, 42, 46, 48)

UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz)

Data only[5]

Wi-Fi calling[4]

eSIM[6]

Audio Calling[3]

FaceTime audio

iPad to any FaceTime-enabled device over Wi-Fi or cellular

Speakers

Stereo speakers

Video Calling[3]

FaceTime video

Center Stage

iPad to any FaceTime-enabled device over Wi-Fi or cellular

Camera

12MP Wide camera, ƒ/1.8 aperture

Digital zoom up to 5x

Five-element lens

Autofocus with Focus Pixels

Panorama (up to 63MP)

Smart HDR 3

Wide color capture for photos and Live Photos

Photo geotagging

Auto image stabilization

Burst mode

Image formats captured: HEIF and JPEG

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ATHENA

VMS PRINTER SPECIFICATION

Star Micronics mC-Label3 Barcode Printer

Features
TetherLAN / SteadyLAN (Windows/Android), CloudPRNT, USB-C, WLAN, Bluetooth (MCP32CBI only), One Touch Label, Toolless Maintenance
Multi-function button (Maintenance, Feed, and One Touch Label)
Automatic maintenance alerts. QR codes for easy printer care instructions.Label builder with SMCS
Star Configuration Format

Supports Multiple Media
Permanent Linerless and Linerless Sticky Labels, Die Cut Label, Continuous Label, Thermal Receipt

Software
CloudPRNT, PassPRNT, StarXpand SDK, StarPRNT SDK

What's Included
AC Adapter
Power Cable
USB Cables (C-C 1.0m and C-A 1.8m)
LAN Cable (1m)
Simple Setup Sheet
Safety Guide

Options
Replacement Parts 2in1(Cutter & Platen), Cutter Unit, Platen Roll Unit
Peripherals: Star Barcode Scanners, Wireless LAN Unit (MCW10), mC-Sound (MCS10), BU01- 24-A Ticket Alarm/Buzzer

Color Black

Hardware Specifications
Dimensions:143 x 212 x 169mm
Emulation: StarPRNT
External Power Supply

Printer Specifications
Printer Method: Direct Thermal
Print Speed: 180mm/second
Print Area: Flexible Paper
Width: 80mm, 58mm, 40mm, 25mm
Cutter Life: 200,000 cuts (Strong adhesive) / One Million cuts (Weak adhesive)
Head Life: 30 Million pulses (Strong adhesive) / 75 million pulses (Weak adhesive)

Interface
• LAN
• Bluetooth (iOS, Android, Windows - MCP32CBI only)
• USB-C for Windows and Android with Power Delivery (up to 20W). Charging only for iOS (MFi).
• Android Open Accessory Protocol (AOA) via USB-C port
• USB-A for Peripherals, Configuration by USB memory stick, Power for MCW10 (Wireless LAN Unit)
• Drawer Kick (DK)
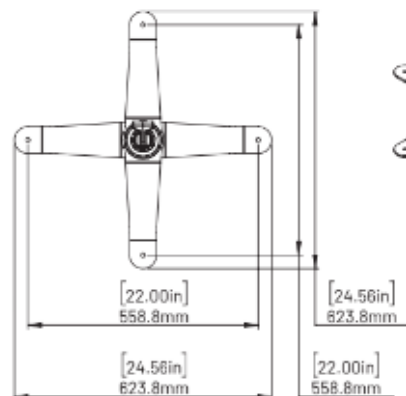• Power Adapter PS65AT-24A

Sensors
Taken, Paper Jam
Gap, Black Mark, Paper End, Cover Open
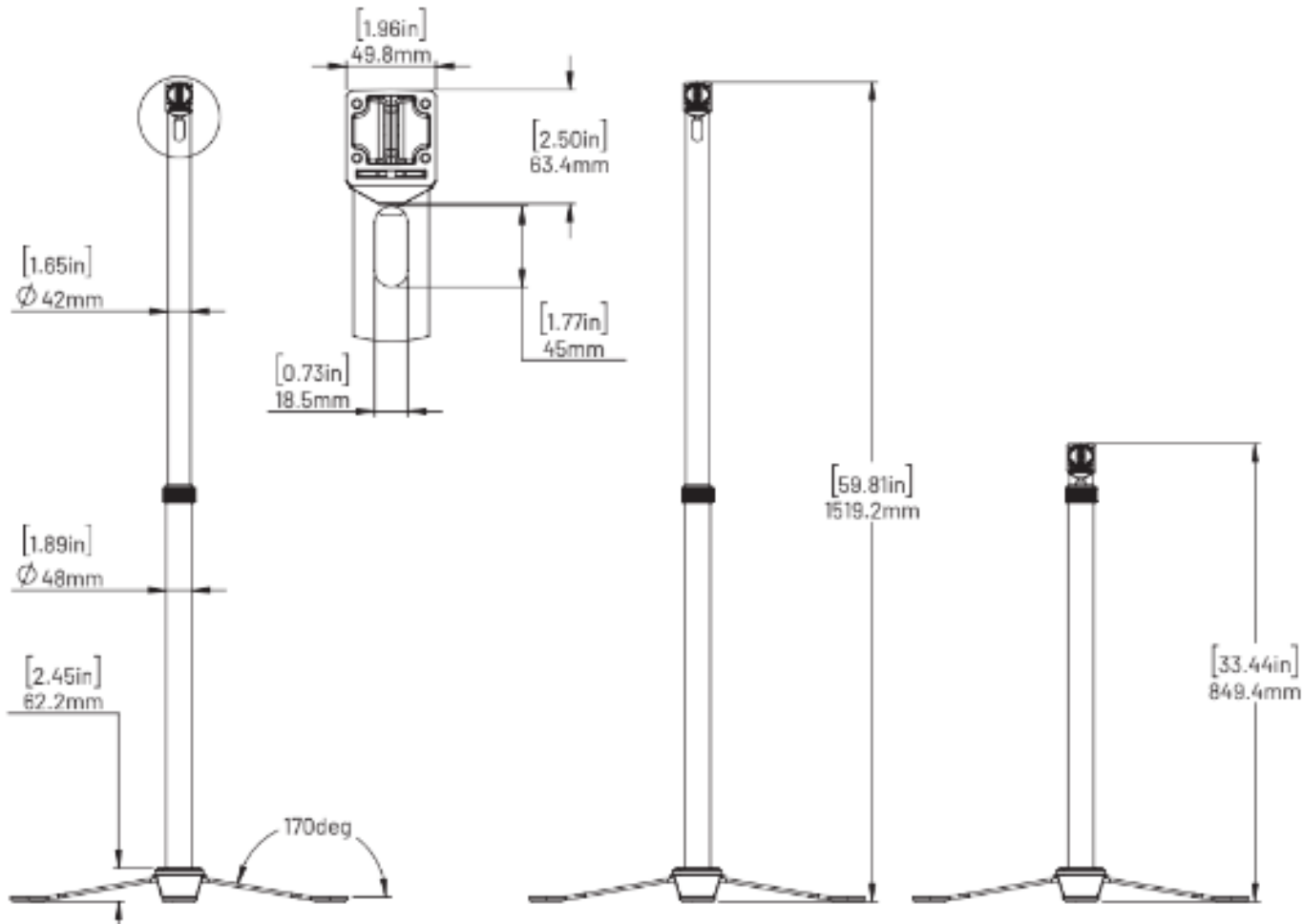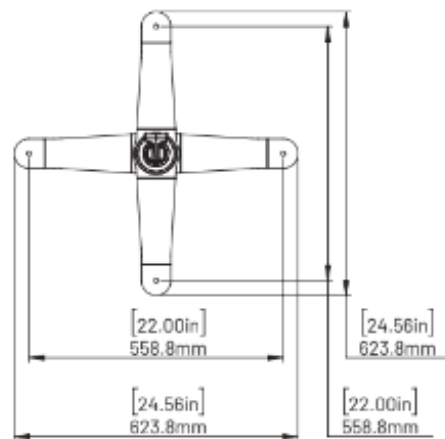Roll Position Paper width detection

CONTROLLER STAND

[1.96in]
49.8mm

[2.50in]
63.4mm

[1.77in]
45mm

[1.65in]
Ø 42mm

[0.73in]
18.5mm

[1.89in]
Ø 48mm

[2.45in]
62.2mm

170deg

[75.88in]
1927.35mm

[41.70in]
1059.18mm

BOTTOM VIEW

[22.00in]
558.8mm

[24.56in]
623.8mm

[24.56in]
623.8mm

[22.00in]
558.8mm
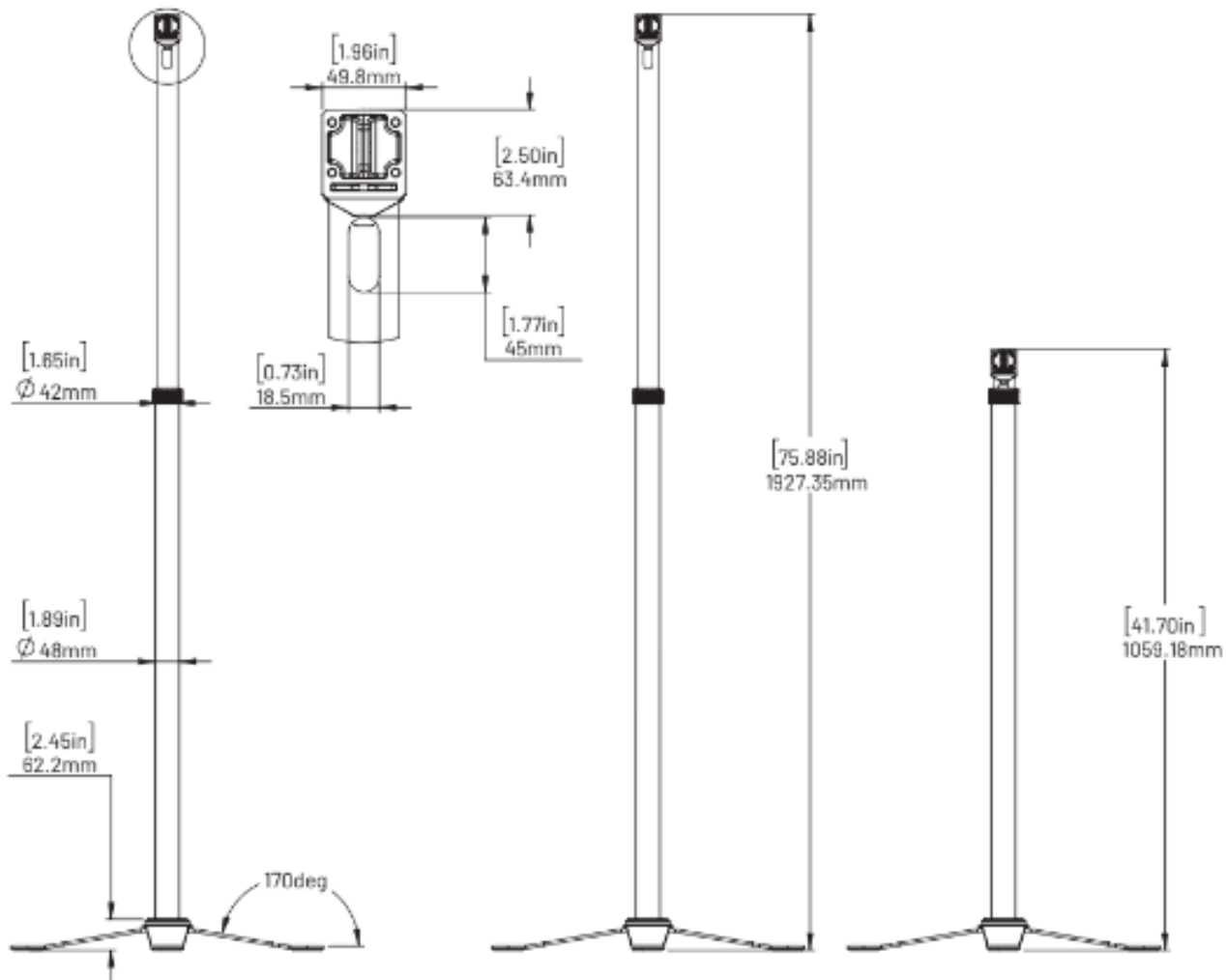
OPERATOR STAND/VMS STAND

BOTTOM VIEW

"V" BRACKET W/ CABLE RETENTION BRACKET

FRONT VIEW
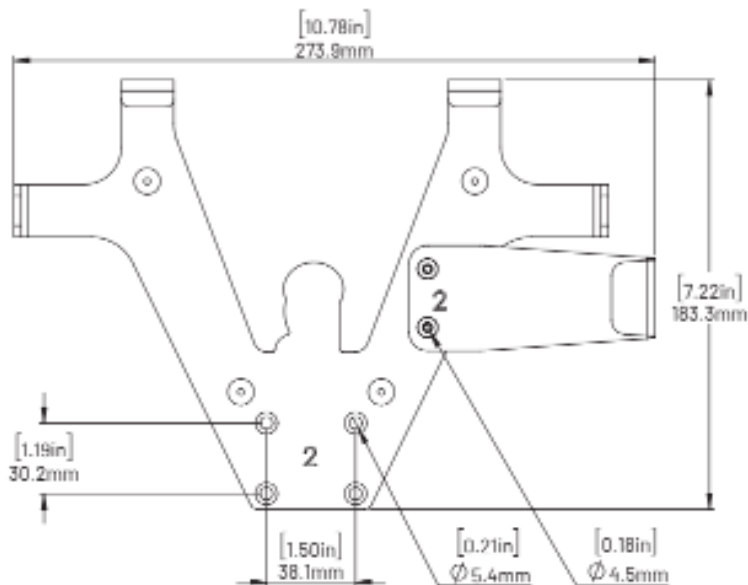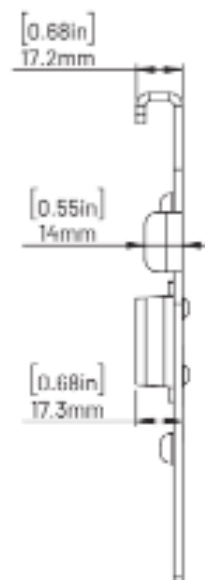
[10.78in]
273.9mm

[7.22in]
183.3mm

[1.19in]
30.2mm

[1.50in]
38.1mm

[0.21in]
Ø 5.4mm

[0.18in]
Ø 4.5mm

SIDE VIEW

[0.68in]
17.2mm

[0.55in]
14mm

[0.68in]
17.3mm

SIDE VIEW

[9.75in]
247.7mm

[0.35in]
8.8mm

[0.83in]
21.1mm

[0.40in]
10.1mm

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+1-833-928-4362

![ATHENA logo]

"V" BRACKET

FRONT VIEW

[10.00in]
254mm

[0.98in]
25mm

[7.22in]
183.3mm

[1.19in]
30.2mm

[1.50in]
38.1mm

[0.21in]
Ø 5.4mm

[0.18in]
Ø 4.5mm

2

SIDE VIEW

[0.68in]
17.2mm

[0.55in]
14mm

[0.68in]
17.3mm

SIDE VIEW

[9.75in]
247.7mm

[0.43in]
10.8mm

2
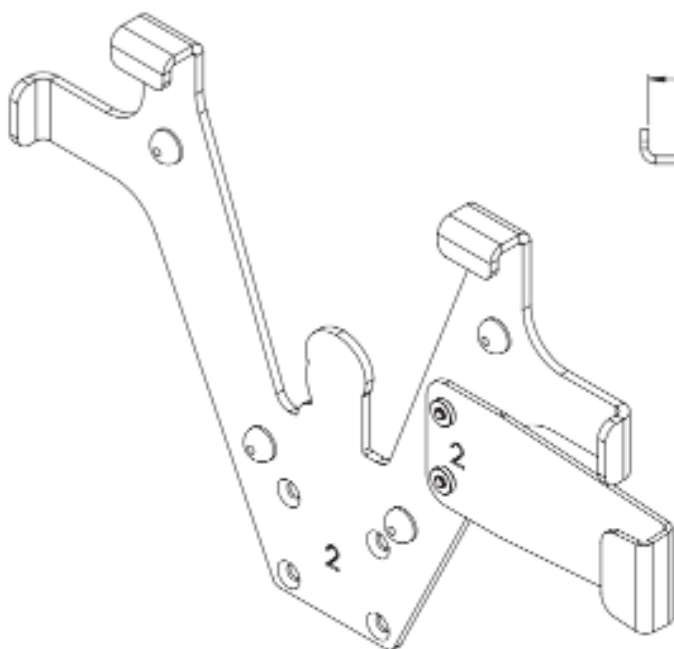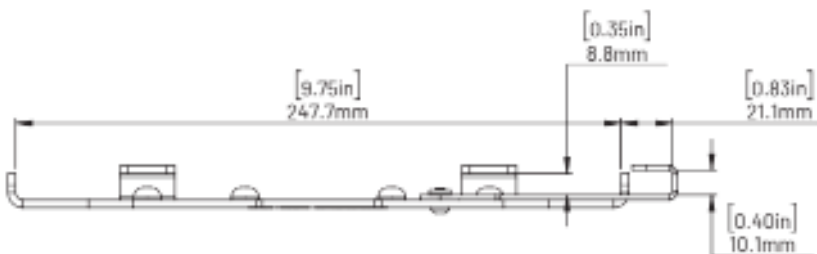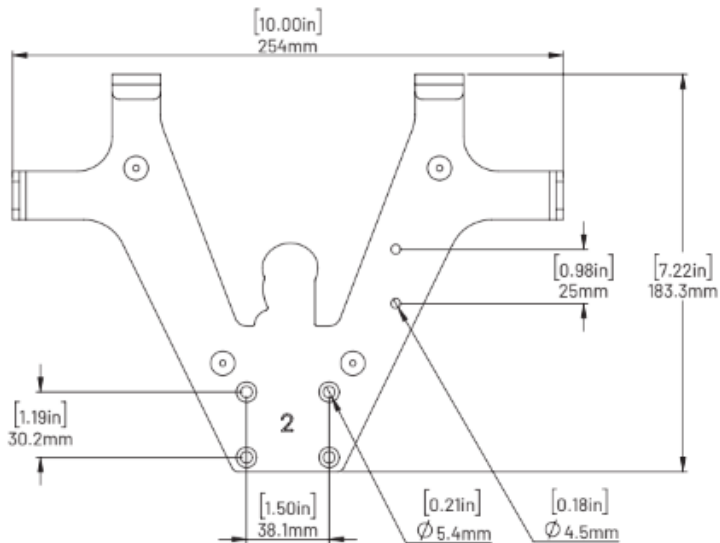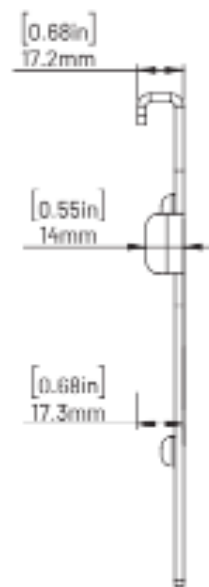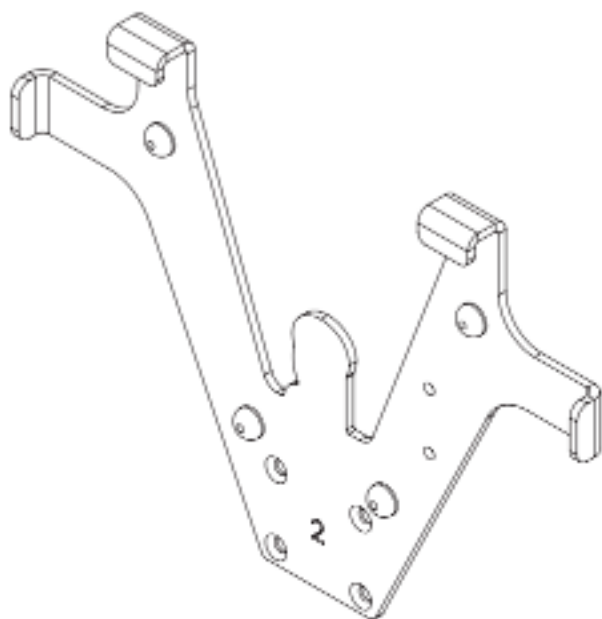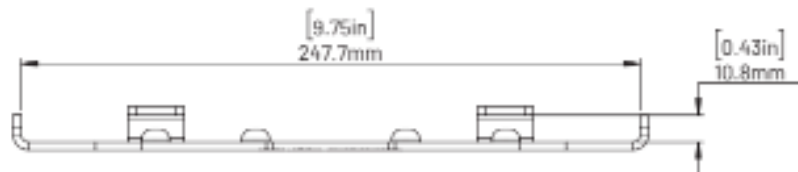
ATHENA

COUNTER MOUNT

FRONT VIEW

[1.50in] 38.1mm

[1.19in] 30.2mm

[0.73in] 18.5mm

[1.89in] 48mm

[6.51in] 165.5mm

[0.49in] 12.4mm

BACK VIEW

[1.96in] 49.8mm

[1.20in] 30.5mm

SIDE VIEW

Tilting

[2.50in] 63.4mm

11.64in] 295.6mm

[10.71in] 272mm

BOTTOM VIEW

[3.43in] Ø 87.1mm

[1.86in] 47.1mm

[1.86in] 47.1mm
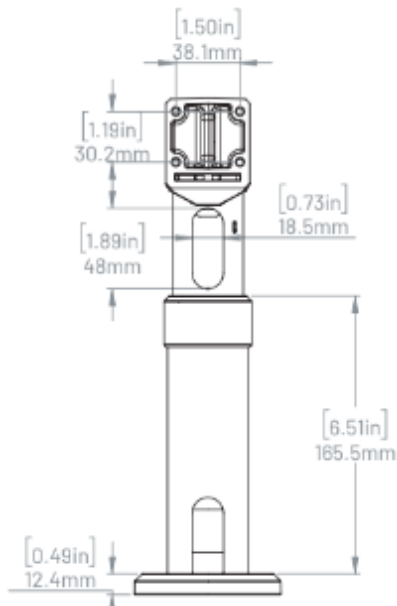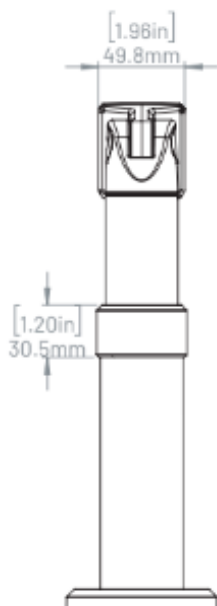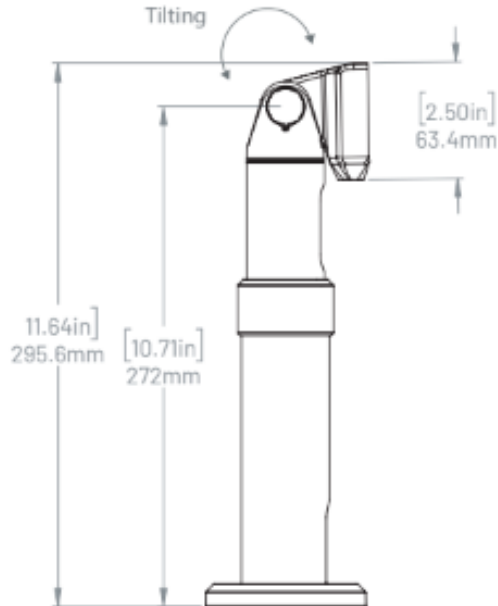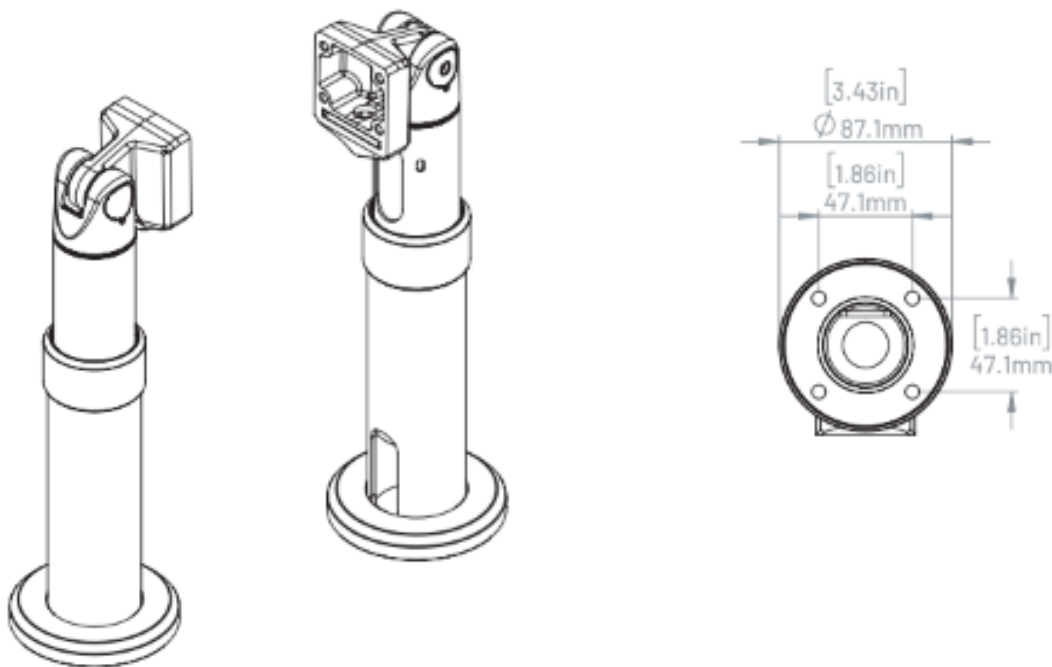
ATHENA

COUNTER MOUNT BASE

TOP VIEW
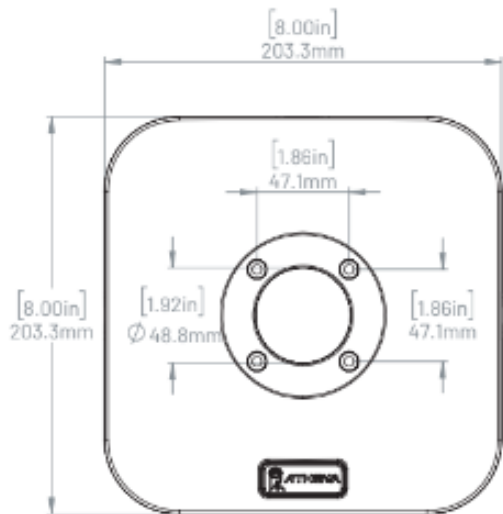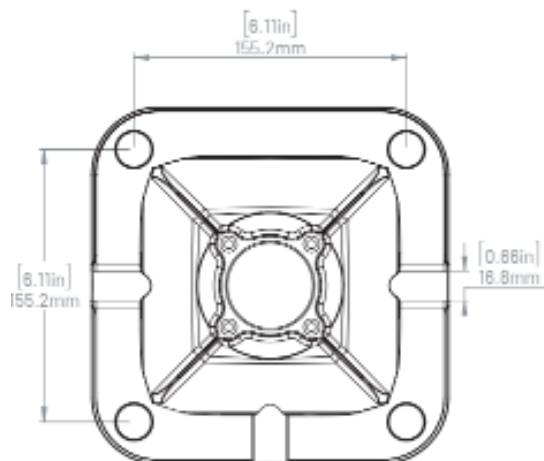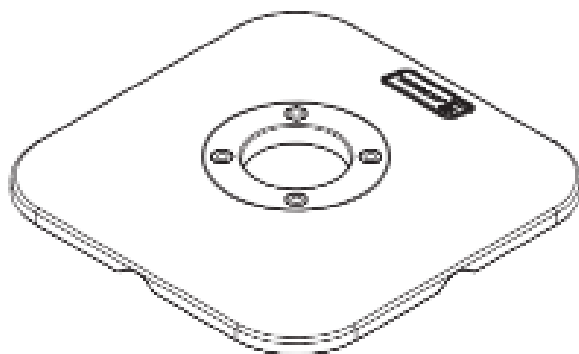
[8.00in] 203.3mm
[1.86in] 47.1mm
[8.00in] 203.3mm
[1.92in] Ø 48.8mm
[1.86in] 47.1mm

BOTTOM VIEW

[6.11in] 155.2mm
[6.11in] 155.2mm
[0.66in] 16.8mm

SIDE VIEW

[3.26in] 82.8mm
[0.74in] 18.7mm
190.13deg

WALL MOUNT

BACK VIEW

[0.30in]
Ø7.5mm

[2.75in]
69.9mm

[0.38in]
9.5mm

TOP VIEW

150deg

[1.50in]
Ø38.1mm

[0.88in]
22.4mm

[1.75in]
44.4mm

[1.96in]
49.8mm

90deg

150deg

FRONT VIEW

[0.17in]
Ø4.2mm

[1.50in]
38.1mm

[1.19in]
30.2mm

SIDE VIEW

90deg

[6.00in]
152.4mm

[4.23in]
107.4mm

[3.33in]
84.6mm

[3.75in]
95.2mm

100deg

7.50in
190.5mm

[10.88in]
276.3mm
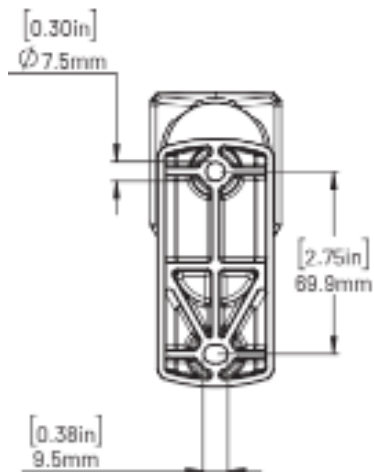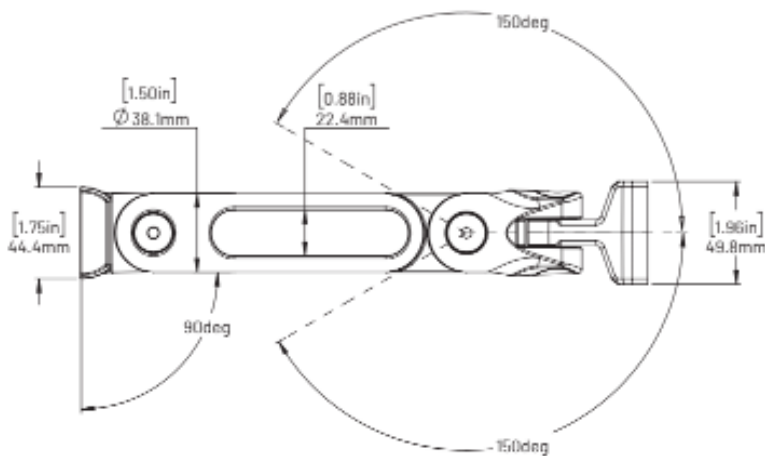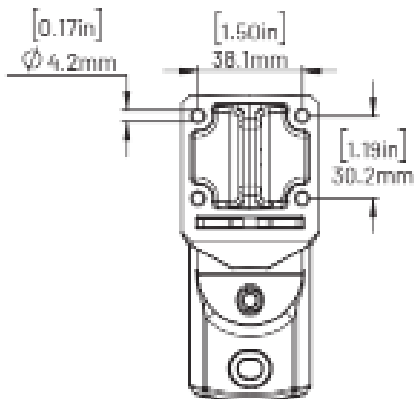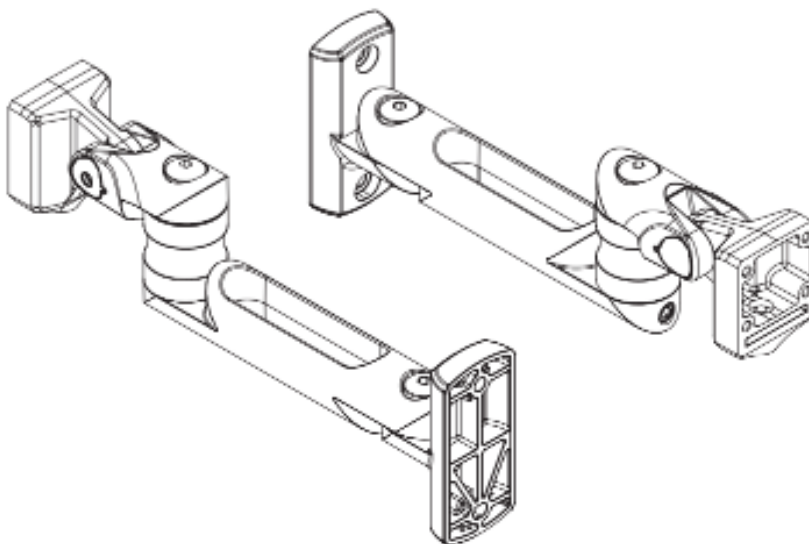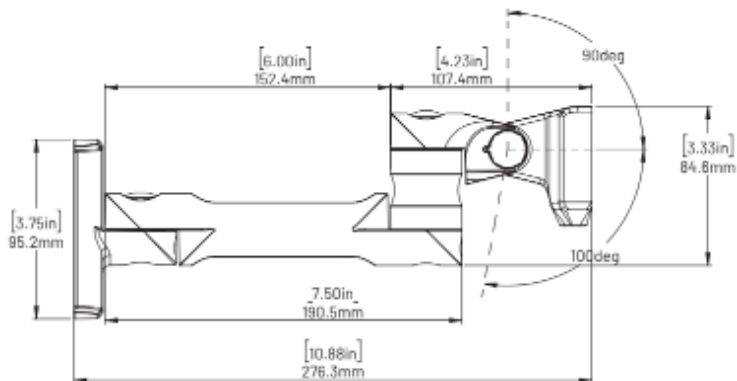
ATHENA

VISITOR ID HOLDER

TOP VIEW

50.5deg
[3.62in] 92mm
[4.02in] 102.2mm
[3.23in] 82mm

SIDE VIEW

[2.78in] 70.5mm
[3.45in] 87.5mm
75deg
[1.74in] 44.2mm
[3.36in] 85.4mm
[5.18in] 131.6mm

BACK VIEW

[3.62in] 92mm
[3.15in] 80mm
[3.23in] 82.1mm
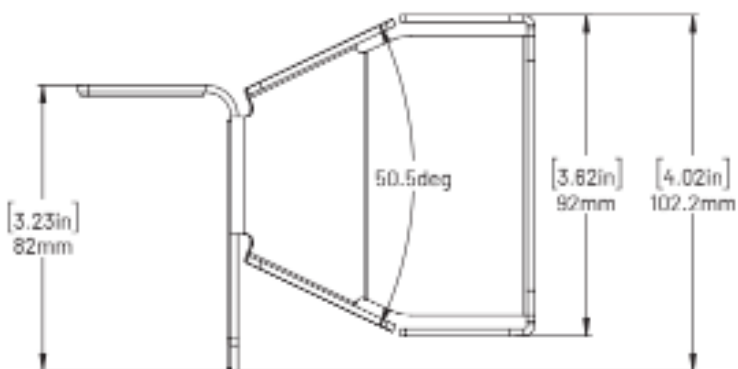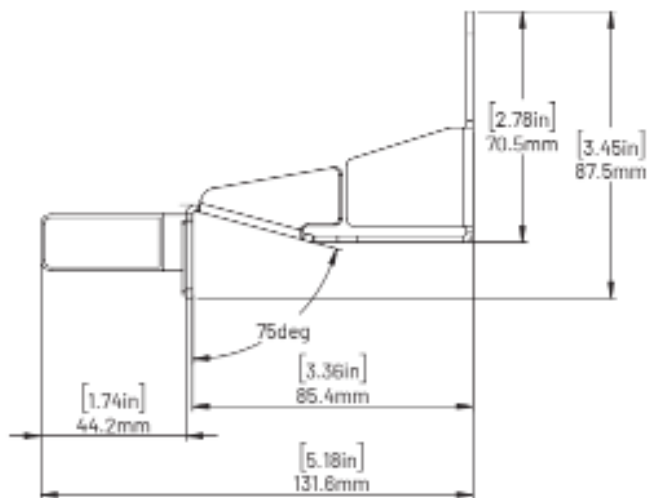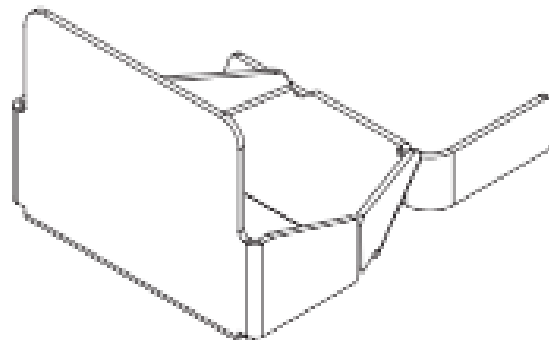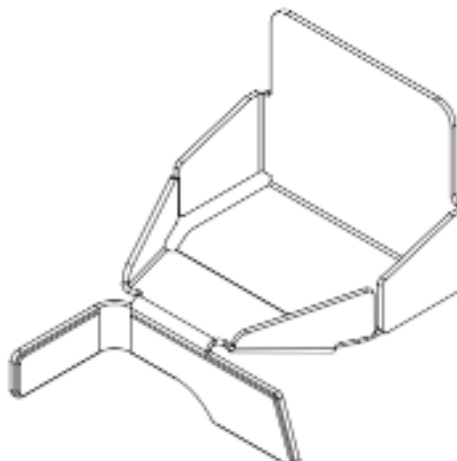
POWER ADAPTER REQUIREMENTS

Please note: All Devices can be 100% Battery Powered

Four devices need to be powered:

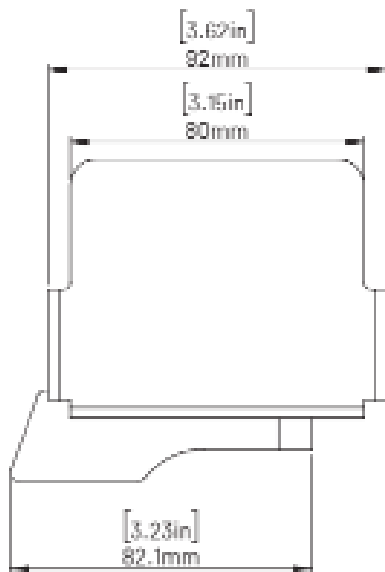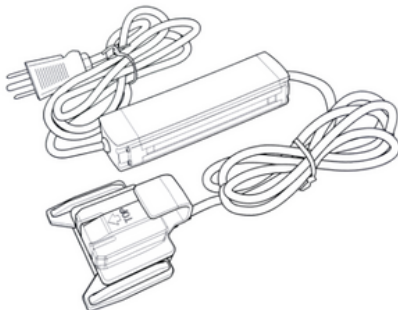1) Main Pole
2) Antenna Pole
3) Controller tablet
4) Optional: Monitoring Tablet

One 15 amp dedicated circuit is recommended

Pole power cords are 6 feet long
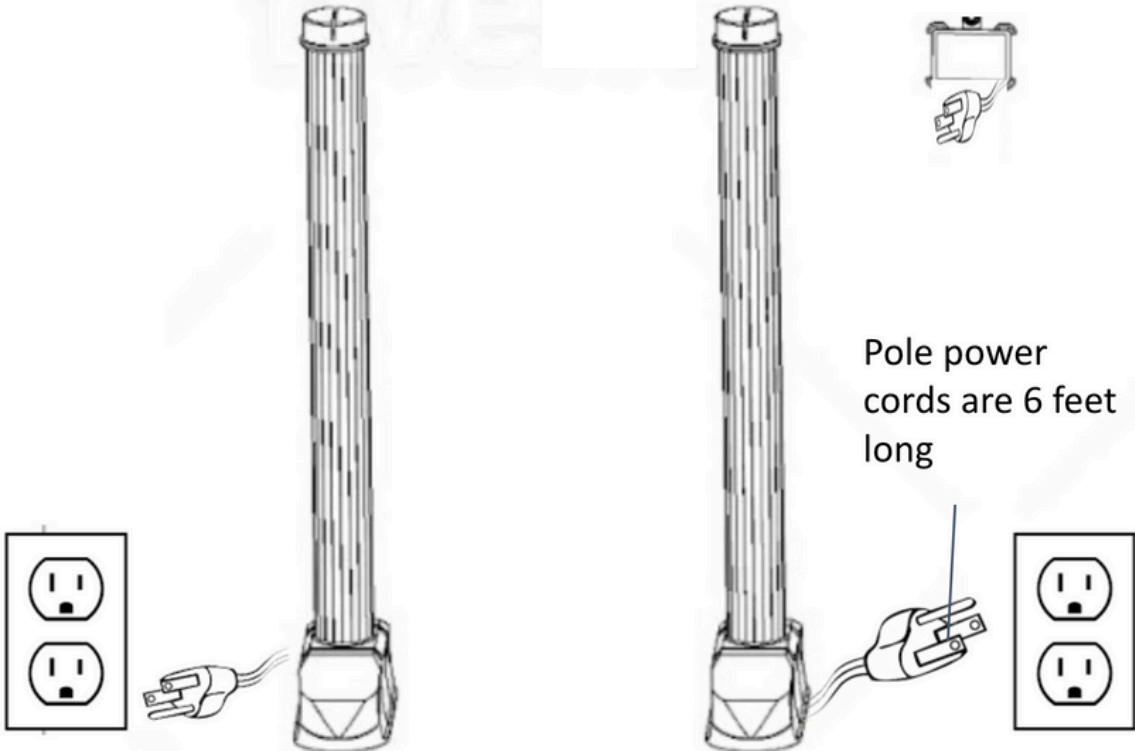
6' Long cable on each side
AC/DC Converter Dimension 7" length, 2" depth, 1.5" height

Info@athena-security.com
+1-833-928-4362

SPACE PLANNING AND SETUP DISTANCES

Controller Tablet

4'-12'

4'-10'

Optional: Operator Tablet

Located Anywhere

Info@athena-security.com
+1-833-928-4362

OPENGATE

GENERAL FEATURES	Detection of multi-caliber weapons		
	Extremely high throughput		
	Quick setup, immediate use		
	No external mechanical or electrical connections		
	Fields of application: all places open to the public characterised by large crowds where it is necessary to carry out a security inspection of the individuals without undressing		
	Operational transit width: 27" ÷ 39" (680 mm ÷ 1000 mm)		
POWER SUPPLY	Batteries	18V - 12Ah lithium ion	
	Operating time (4 batteries)	Up to 14 hrs (with operational battery management)	
	Dual Bay simultaneous fast battery charger. Standard Wall Outlet: 100...277V~ ±10%, 47...63Hz, 40 VA typical consumption	Power supply voltage	220 - 240 V
		Charging time (2 batteries)	130 min
		Dimensions	10.8" x 7.2" x 3.6" (275 mm x 184 mm x 92 mm)
		Weight	3.5 lbs (1.6 kg)
ALARM SIGNAL	Optical	Indicator lights displayed at the top of the column	GREEN: OK, Ready
			RED: Alarm, Self-diagnosis
			BLUE: Wireless connection in progress
			YELLOW: Battery level indication
	Acoustic	Internal buzzer	
PROGRAMMING	Available through the CEIA OPENGATE FREE App - iOS or Android		
WEIGHT	Main column	Including batteries	33.5 lbs (15.2 kg)
		Without batteries	26.5 lbs (12 kg)
	Secondary column	Including batteries	30 lbs (13.7 kg)
		Without batteries	23 lbs (10.5 kg)
CERTIFICATES AND COMPLIANCE	Compliant with applicable regulations on human exposure to electromagnetic fields and safety for pacemaker wearers		
	Compliant with EU regulations and international standards for Electrical Safety and Electromagnetic Compatibility (EMC)		
	Harmless to magnetic media		
AMBIENT CONDITIONS	Operating temperature	OPENGATE	-0.4°F to 122°F (-18°C to +50°C)
		Battery charger and battery being charged	40°F to 105°F° (+ 5°C to + 40°C)
	Storage temperature	-34°F to 122°F (-37°C to +50°C)	
	Relative humidity	0 to 95%, without condensation	
	Altitude	up to 9,800 ft (3,000 m)	
	Installation category	II (IEC61010-1)	
	Pollution rating	2 (IEC61010-1)	
	Maximum intensity of emitted magnetic field	< 40 db uA/m @ 10 m	

ATHENA