Manuals+
Q & A | Deep Search | Upload

Defender IP10MDCB1

Defender AI Powered Guard Pro 3K Plus Dual Lens PTZ WiFi 6/Bluetooth Security Camera

Model: IP10MDCB1

Product Overview

The Defender AI Powered Guard Pro 3K Plus is an advanced security camera designed for comprehensive surveillance of your home or business. Featuring a unique dual-lens system, AI-powered tracking, and robust weather resistance, this camera provides superior monitoring capabilities day and night.

Key features include:

- **Dual Lens 3K Plus Technology:** Offers two distinct views simultaneously with enhanced clarity, maximizing surveillance coverage.
- **Pan, Tilt & Zoom (PTZ):** Remotely control the camera's viewing angle for flexible monitoring.
- **Smart AI Tracking:** Intelligently detects and follows human or vehicle movement, reducing false alarms.
- **WiFi 6 & Bluetooth Connectivity:** Ensures fast, stable, and seamless live viewing and playback.
- **Vibrant Color Night Vision:** Provides clear, full-color footage even in low-light conditions up to 100 feet.
- **Two-Way Audio:** Communicate directly with visitors or deter intruders using the built-in microphone and speaker.
- **IP66 Weather-Rated:** Designed to withstand various outdoor weather conditions.

The Defender AI Powered Guard Pro 3K Plus camera, showcasing its dual lenses and robust design.

What's Included

Your Defender AI Powered Guard Pro 3K Plus package includes the following components:

- Defender 3K+ Guard Pro PTZ Dual Lens Camera
- Camera Power Supply (10ft)
- Camera Power Extension Cable (25ft)
- Ethernet Waterproof Cable Shield
- Camera Mounting Hardware (screws, wall anchors)
- Drilling Template
- Window Warning Sticker (5x3in)
- Warranty Registration Insert
- Quick Start Guide

All components included in the Defender AI Powered Guard Pro 3K Plus package.

Setup & Installation

1. Before You Begin

Ensure you have a stable Wi-Fi 6 (802.11b/g/n/ax) network and a compatible smartphone or tablet for controlling the camera via the Defender Guard app. The camera requires a corded electric power source (12 Volts, 12 Watts).

2. Physical Installation

The camera is designed for wall or ceiling mount installation. Use the provided drilling template and mounting hardware to securely attach the camera. Ensure the installation location allows for optimal viewing and access to a power outlet. The Ethernet waterproof cable shield should be used for outdoor installations to protect the connection.

Properly mounting the camera to ensure stable and secure placement.

3. App Setup & Pairing

Download the Defender Guard app from your device's app store. Follow the in-app instructions for Bluetooth pairing and connecting to your Wi-Fi network. The app will guide you through the process of adding your new camera.

The Defender Guard app facilitates quick and easy pairing via Bluetooth and Wi-Fi 6.

This video demonstrates the quick setup process and key features of the Defender Guard Pro 3K Plus Dual Lens PTZ camera, including AI tracking and dual lens functionality.

Operating Your Camera

1. Live View & Playback

Access your camera's live feed and recorded footage directly through the Defender Guard app. The dual-lens system allows you to view both a fixed wide-angle perspective and a pan-tilt-zoom (PTZ) view simultaneously. Use the app's controls to pan, tilt, and digitally zoom the PTZ lens to focus on specific areas.

The dual-lens feature provides both a fixed and a PTZ view on your mobile device.

2. AI Features: Smart Tracking & Detection

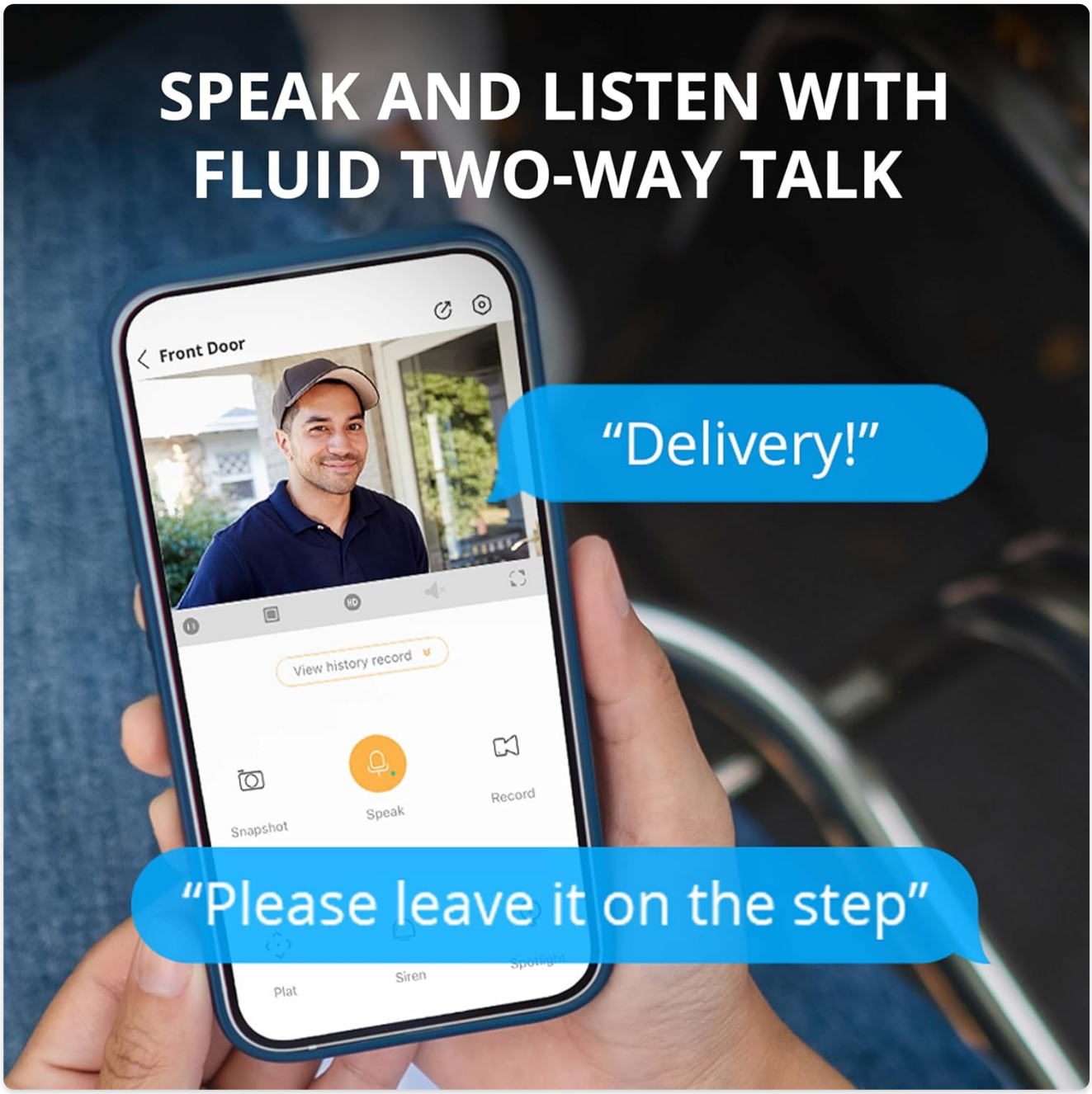
The camera's advanced AI technology enables precise human and vehicle detection. When motion is detected, the PTZ lens can automatically track the subject, ensuring continuous surveillance. You will receive instant motion detection notifications on your mobile device.

AI-powered auto-tracking intelligently follows detected human and vehicle movement.

This video highlights the AI-powered features of the Defender Guard Pro 3K Plus, including human and vehicle detection, auto-tracking, and the benefits of its dual-lens system.

3. Night Vision Capabilities

Experience clear surveillance even in complete darkness with the camera's vibrant color night vision. Equipped with two spotlights and IR LEDs, the camera illuminates the scene to deliver crisp, detailed visuals up to 100 feet.



Vibrant Color Night Vision provides clear, illuminated footage in dark conditions.

4. Two-Way Audio & Deterrence

The integrated microphone and speaker allow for two-way communication, enabling you to speak with individuals near the camera. For deterrence, the camera features a built-in strobe light and siren that can be activated manually or automatically upon detection of suspicious activity.

Engage in two-way conversations through the camera using the mobile app.

Maintenance

To ensure optimal performance and longevity of your Defender security camera, regular maintenance is recommended:

- **Cleaning:** Periodically wipe the camera lens and body with a soft, damp cloth to remove dust and debris. Avoid abrasive cleaners.
- **Firmware Updates:** Check the Defender Guard app regularly for available firmware updates. Keeping your camera's firmware up-to-date ensures you have the latest features and security enhancements.
- **Storage Management:** If using a Micro SD card for local storage (up to 256GB supported), periodically review and manage your recordings to ensure sufficient space. You can format the SD card via the app if needed.
- **Weather Protection:** While the camera is IP66 weather-rated, ensuring proper installation and protection from direct, prolonged exposure to extreme weather conditions (e.g., heavy snow accumulation on antennas) can

extend its lifespan.

The IP66 rating ensures the camera's durability against various weather conditions.

Troubleshooting

If you encounter issues with your Defender AI Powered Guard Pro 3K Plus camera, consider the following common solutions:

- **No Power:** Ensure the power adapter is securely connected to both the camera and a working electrical outlet. Check if the outlet is receiving power.
- **Connectivity Issues:** Verify your Wi-Fi network is active and the camera is within range of your router. Restarting your router and the camera can often resolve connection problems. Ensure your phone and camera are close during initial setup.
- **Poor Image Quality:** Check the camera lens for dirt or obstructions and clean if necessary. Ensure the

camera's resolution setting in the app is set to 3K Plus for optimal clarity.

- **False Alarms:** Adjust the motion detection sensitivity settings within the Defender Guard app. Utilize the AI detection features to filter for human and vehicle movement only.
- **PTZ Control Unresponsive:** Ensure the camera has a stable network connection. If the issue persists, try recalibrating the PTZ function through the app's settings.
- **Audio Problems:** Check the microphone and speaker settings in the app. Ensure volume levels are adequate and there are no physical obstructions to the microphone or speaker.

For more detailed troubleshooting or persistent issues, refer to the comprehensive help section within the Defender Guard app or contact customer support.

Specifications

Model Name	3K Guard Pro Dual Lens PLUS PTZ
Item Model Number	IP10MDCB1
Indoor/Outdoor Usage	Outdoor
Video Capture Resolution	3K (2880 x 1620)
Effective Still Resolution	10 MP
Connectivity Technology	Wireless (WiFi 6, Bluetooth)
Power Source	Corded Electric (12 Volts, 12 Watts)
Night Vision Range	100 Feet
Viewing Angle	360 Degrees (PTZ capability)
Field Of View	94 Degrees (Fixed Lens)
Water Resistance Level	IP66
Flash Memory Type	Micro SD (up to 256 GB supported)
Item Dimensions (L x W x H)	5.22 x 5.07 x 4.33 inches
Item Weight	13.1 ounces

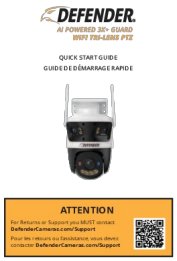
Warranty & Support

Defender offers a warranty for its products. For detailed information regarding your product's warranty, including terms, conditions, and registration, please visit the official Defender website:

defendercameras.com/pages/warranty

Additionally, Defender provides free lifetime customer support to assist you with any questions or issues you may encounter with your AI Powered Guard Pro 3K Plus camera.

Related Documents - IP10MDCB1

	Defender 3K Plus Guard Pro PTZ Dual Lens Quick Start Guide Quick start guide for the Defender 3K Plus Guard Pro PTZ Dual Lens security camera, covering setup, features, and warranty information.
	Defender AI Powered 3K+ Guard WIFI Tri-Lens PTZ Camera Quick Start Guide Get started quickly with the Defender AI Powered 3K+ Guard WIFI Tri-Lens PTZ Camera. This guide covers setup, features, mounting, and FAQs for your security system.
	DEFENDER 3K Plus Guard Pro PTZ Dual Lens Security Camera Quick Start Guide Quick Start Guide for the DEFENDER 3K Plus Guard Pro PTZ Dual Lens security camera. Learn how to set up, install, connect to Wi-Fi, use the app, and troubleshoot common issues. Includes product details, regulatory information, and warranty details.
	Defender 3K+ Guard Pro WIFI Tri-Lens PTZ Camera Quick Start Guide A comprehensive guide to setting up and using the Defender 3K+ Guard Pro WIFI Tri-Lens PTZ Camera, including installation, app connection, cloud storage, and troubleshooting.
	Defender Guard Pro Quick Start Guide: Setup and Features A comprehensive guide to setting up and using the Defender Guard Pro security camera, covering installation, Wi-Fi connection, app usage, motion detection, recording, and frequently asked questions.

AXIS AXIS Perimeter Defender User Manual	[AXIS Perimeter Defender User Manual: Comprehensive Guide to Perimeter Security] Explore the AXIS Perimeter Defender User Manual for comprehensive guidance on advanced perimeter surveillance, intrusion detection, and PTZ autotracking. Learn setup, configuration, and troubleshooting for robust security solutions from AXIS Communications.

Documents - Defender – IP10MDCB1

Empowerment Technologies Inc

Section 2.911(d)(5)(ii) Certification – Applicant (Covered List)

Company name: Empowerment Technologies Inc
Address: 590 York Rd., Unit 2 Niagara-on-the-Lake L0S 1J0 Canada
Product Name: DEFENDER
FCC ID: 2AV6B-IP10MDCB1
Model(s):IP10MDCB1;IP10MDCB2;IP10MDCB3;IP10MDCB4;IP10MDCB1-64;IP10MDCB2-64;IP10MDCB3-64;IP10MDCB4-64 ,IP10MDCB1-32, IP10MDCB1-128

2.911(d)(5)(ii) Applicant filing
We, [Empowerment Technologies Inc] ("the applicant") certify that, as of the date of the filing of the application, the applicant is **identified / is not identified** NOTE 1 on the "Covered List" NOTE 2, established pursuant to § 1.50002 of this chapter, as an entity producing covered communications equipment.

Yours sincerely,

Name: Rajesh Jain Date: 6/26/2024

Title and Company name: CEO and Owner / Empowerment Technologies Inc

NOTE 1
Delete option not applicable to this application.

NOTE 2
"Covered List", is the List of Equipment and Services Covered By Section 2 of The Secure Networks Act, available at https://www.fcc.gov/supplychain/coveredlist

References:
1) 986446 D01 Covered Equipment v01
https://apps.fcc.gov/kdb/GetAttachment.html?id=qfmpFTTSSwzvhRaxzIPqgw==&desc=986446%20D01%20Covered%20Equipment%20v01&tracking_number=209672

2) Federal Register document 2022-28263 published on 12/26/23
https://www.federalregister.gov/documents/2023/12/26/2022-28263/protecting-against-national-security-threats-to-the-communications-supply-chain-through-the

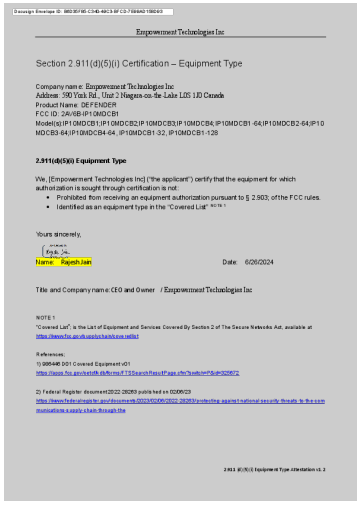
2023 §(d)(5)(i) Applicant Attestation v1.3

[pdf]

dell990 Certificiation Applicant Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

Docusign Envelope ID: B6D35F85-C340-49C3-BFCD-7E99AD158D93 Empowerment Technologies Inc Section 2.911 d 5 ii Certification Applicant Covered List Company name: Empowerment Technologies Inc Address: 590 York Rd., Unit 2 Niagara-on-the-Lake L0S 1J0 Canada Product Name: DEFENDER FCC ID: 2AV6B-I...

lang:en score:33 filesize: 493.71 K page_count: 1 document date: 2024-07-22


Empowerment Technologies Inc

Section 2.911(d)(5)(i) Certification – Equipment Type

Company name: Empowerment Technologies Inc
Address: 590 York Rd., Unit 2 Niagara-on-the-Lake L0S 1J0 Canada
Product Name: DEFENDER
FCC ID: 2AV6B-IP10MDCB1
Model(s):IP10MDCB1;IP10MDCB2;IP10MDCB3;IP10MDCB4;IP10MDCB1-64;IP10MDCB2-64;IP10MDCB3-64;IP10MDCB4-64 ,IP10MDCB1-32, IP10MDCB1-128

2.911(d)(5)(i) Equipment Type

We, [Empowerment Technologies Inc] ("the applicant") certify that the equipment for which authorization is sought through certification is not:
- Prohibited from receiving an equipment authorization pursuant to § 2.903; of the FCC rules.
- Identified as an equipment type in the "Covered List" NOTE 1

Yours sincerely,

Name: Rajesh Jain Date: 6/26/2024

Title and Company name: CEO and Owner / Empowerment Technologies Inc

NOTE 1
"Covered List", is the List of Equipment and Services Covered By Section 2 of The Secure Networks Act, available at https://www.fcc.gov/supplychain/coveredlist

References:
1) 986446 D01 Covered Equipment v01
https://apps.fcc.gov/kdb/GetAttachment.html?id=qfmpFTTSSwzvhRaxzIPqgw==&desc=986446%20D01%20Covered%20Equipment%20v01&tracking_number=209672

2) Federal Register document 2022-28263 published on 12/26/23
https://www.federalregister.gov/documents/2023/12/26/2022-28263/protecting-against-national-security-threats-to-the-communications-supply-chain-through-the

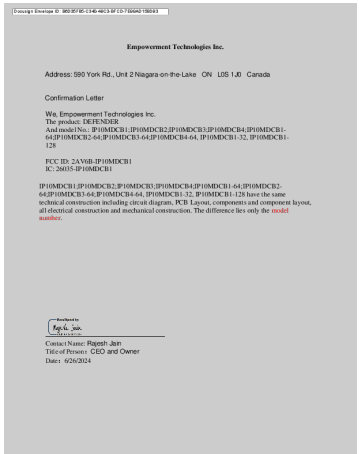
2023 §(d)(5)(i) Equipment Type Attestation v1.2

[pdf]

dell990 Certification Equipment Type Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

Docusign Envelope ID: B6D35F85-C340-49C3-BFCD-7E99AD158D93 Empowerment Technologies Inc Section 2.911 d 5 i Certification Equipment Type Company name: Empowerment Technologies Inc Address: 590 York Rd., Unit 2 Niagara-on-the-Lake L0S 1J0 Canada Product Name: DEFENDER FCC ID: 2AV6B-**IP10MDCB1** Mod...

lang:en score:32 filesize: 504.17 K page_count: 1 document date: 2024-07-22


Empowerment Technologies Inc.

Address: 590 York Rd., Unit 2 Niagara-on-the-Lake ON L0S 1J0 Canada

Confirmation Letter

We, Empowerment Technologies Inc.
The product: DEFENDER
And model No.: IP10MDCB1;IP10MDCB2;IP10MDCB3;IP10MDCB4;IP10MDCB1-64;IP10MDCB2-64;IP10MDCB3-64;IP10MDCB4-64, IP10MDCB1-32, IP10MDCB1-128

FCC ID: 2AV6B-IP10MDCB1
IC: 26035-IP10MDCB1

IP10MDCB1;IP10MDCB2;IP10MDCB3;IP10MDCB4;IP10MDCB1-64;IP10MDCB2-64;IP10MDCB3-64;IP10MDCB4-64, IP10MDCB1-32, IP10MDCB1-128 have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction. The difference lies only the model number.

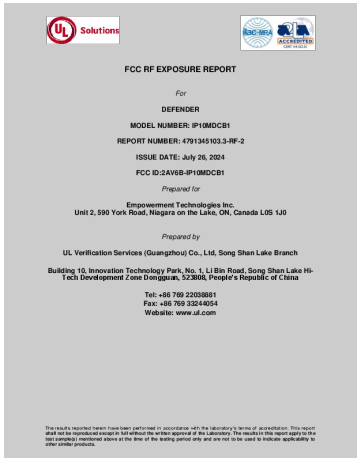
Contact Name: Rajesh Jain
Title of Person: CEO and Owner
Date: 6/26/2024

[pdf] Decleration of Conformity Diagram

Liu Susan Declaration letter IP10MDCB1 doc ULCC30 497 2061949 Empowerment Technologies Inc DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

Docusign Envelope ID: B6D35F85-C340-49C3-BFCD-7E99AD158D93 Empowerment Technologies Inc. Address: 590 York Rd., Unit 2 Niagara-on-the-Lake ON L0S 1J0 Canada Confirmation Letter We, Empowerment Technologies Inc. The product: DEFENDER And model No.: **IP10MDCB1**;IP10MDCB2;IP10MDCB3;IP10MDCB4;**IP10MDCB1**64;...

lang:en score:32 filesize: 184.99 K page_count: 1 document date: 2024-07-22



FCC RF EXPOSURE REPORT

For

DEFENDER

MODEL NUMBER: IP10MDCB1

REPORT NUMBER: 4791345103.3-RF-2

ISSUE DATE: July 26, 2024

FCC ID:2AV6B-IP10MDCB1

Prepared for

Empowerment Technologies Inc.
Unit 2, 590 York Road, Niagara on the Lake, ON, Canada L0S 1J0

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China

Tel: +86 769 22038861
Fax: +86 769 33244054
Website: www.ul.com

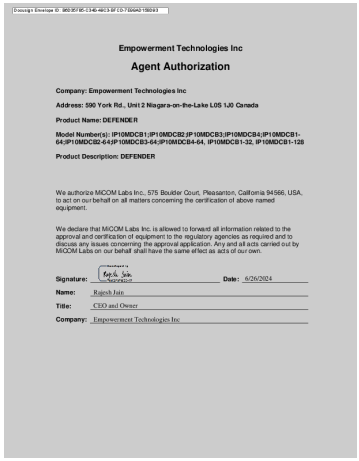
The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products.

[pdf] SAR Rating

Zhang Kebo MPE Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

FCC RF EXPOSURE REPORT For DEFENDER MODEL NUMBER:**IP10MDCB1** REPORT NUMBER: 4791345103.3-RF-2 ISSUE DATE: July 26, 2024 FCC ID:2AV6B-**IP10MDCB1** Prepared for Empowerment Technologies Inc. Unit 2, 590 York Road, Niagara on the Lake, ON, Canada L0S 1J0 Prepared by UL Verification Services Guangzhou Co....

lang:en score:32 filesize: 322.86 K page_count: 8 document date: 2024-07-30



Empowerment Technologies Inc

Agent Authorization

Company: Empowerment Technologies Inc

Address: 590 York Rd., Unit 2 Niagara-on-the-Lake L0S 1J0 Canada

Product Name: DEFENDER

Model Number(s): IP10MDCB1;IP10MDCB2;IP10MDCB3;IP10MDCB4;IP10MDCB1-64;IP10MDCB2-64;IP10MDCB3-64;IP10MDCB4-64, IP10MDCB1-32, IP10MDCB1-128

Product Description: DEFENDER

We authorize MiCOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA, to act on our behalf on all matters concerning the certification of above named equipment.

We declare that MiCOM Labs Inc. is allowed to forward all information related to the approval and certification of equipment to the regulatory agencies as required and to discuss any issues concerning the approval application. Any and all acts carried out by MiCOM Labs on our behalf shall have the same effect as acts of our own.

Signature: Date: 6/26/2024

Name: Rajesh Jain

Title: CEO and Owner

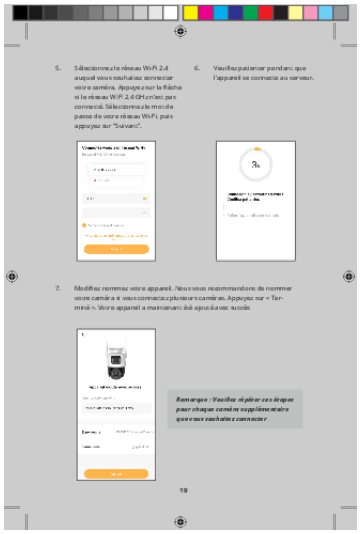
Company: Empowerment Technologies Inc

[pdf] Agent Authorization

PLEASE PRINT ON COMPANY LETTERHEAD MiCOM Labs Inc QMS Agent Authorization Empowerment Technologies IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

Docusign Envelope ID: B6D35F85-C340-49C3-BFCD-7E99AD158D93 Empowerment Technologies Inc Agent Authorization Company: Empowerment Technologies Inc Address: 590 York Rd., Unit 2 Niagara-on-the-Lake L0S 1J0 Canada Product Name: DEFENDER Model Number s : **IP10MDCB1**;IP10MDCB2;IP10MDCB3;IP10MDCB4;IP10MDCB...

lang:en score:32 filesize: 159.03 K page_count: 1 document date: 2024-07-22



5. Sélectionnez le réseau Wi-Fi 2.4 auquel vous souhaitez connecter votre caméra. Appuyez sur la flèche si le réseau Wi-Fi 2.4 GHz n'est pas connecté. Sélectionnez le mot de passe de votre réseau Wi-Fi, puis appuyez sur "Suivant".

6. Veuillez patienter pendant que l'appareil se connecte au serveur.

7. Modifiez nommez votre appareil. Nous vous recommandons de nommer votre caméra si vous connectez plusieurs caméras. Appuyez sur « Terminé ». Votre appareil a maintenant été ajouté avec succès

Remarque : Veuillez répéter ces étapes pour chaque caméra supplémentaire que vous souhaitez connecter.

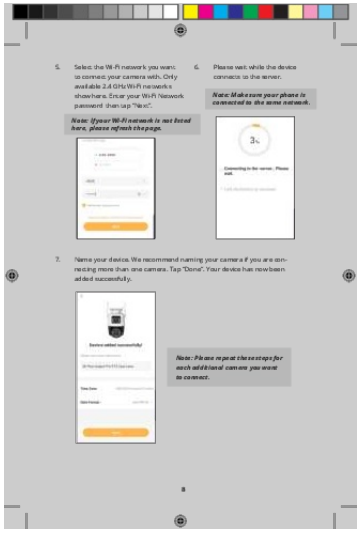
19

[pdf] User Manual

User Manual Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

5. Slectionnez le rseau Wi-Fi 2.4 6. Veuillez patienter pendant que auquel vous souhaitez connecter l appareil se connecte au serveur. votre camra. Appuyez sur la flche si le rseau WIFI 2,4 GHz n est pas connect. Slectionnez le mot de passe de votre rseau Wi-Fi, puis appuyez sur Suivant . ...

lang:fr score:28 filesize: 2.32 M page_count: 6 document date: 2024-07-29



[pdf] User Manual Installation Guide

User Manual Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

5. Select the Wi-Fi network you want 6. to connect your camera with. Only available 2.4 GHz Wi-Fi networks show here. Enter your Wi-Fi Network password then tap Next . Note: If your Wi-Fi network is not listed here, please refresh the page. Please wait while the device connects to the server...

lang:en score:28 filesize: 4.68 M page_count: 11 document date: 2024-07-29

Defender 3K Plus Guard Pro PTZ Dual Lens Quick Start Guide

Quick start guide for the Defender 3K Plus Guard Pro PTZ Dual Lens security camera, covering setup, features, and warranty information.

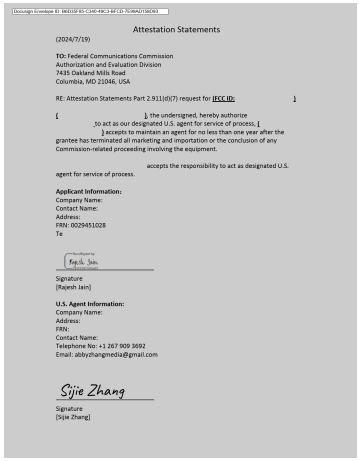
lang:en score:27 filesize: 4.22 M page_count: 7 document date: 2024-07-29

[pdf] Test Report

Mike Heckrotte Test report Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

CFR 47 FCC PART 15 SUBPART C ISED RSS-247 Issue 3 TEST REPORT For DEFENDER MODEL NUMBER: **IP10MDCB1** REPORT NUMBER: 4791345103.3-RF-1 ISSUE DATE: July 26, 2024 FCC ID:2AV6B-**IP10MDCB1** IC:26035-**IP10MDCB1** Prepared for Empowerment Technologies Inc. Unit 2, 590 York Road, Niagara on the Lake, ON, Canada L0...

lang:en score:26 filesize: 5 M page_count: 105 document date: 2024-07-30



Attestation Statements

(2024/7/19)

TO: Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046, USA

RE: Attestation Statements Part 2.911(d)(7) request for FCC ID: }

{ }, the undersigned, hereby authorize
}to act as our designated U.S. agent for service of process, {
} accepts to maintain an agent for no less than one year after the
grantee has terminated all marketing and importation or the conclusion of any
Commission-related proceeding involving the equipment.

accepts the responsibility to act as designated U.S.
agent for service of process.

Applicant Information:
Company Name:
Contact Name:
Address:
FRN: 0029451028
To

Signature
[Rajesh Jain]

U.S. Agent Information:
Company Name:
Address:
FRN:
Contact Name:
Telephone No: +1 267 909 3692
Email: abbyzhangmedia@gmail.com

Sijie Zhang

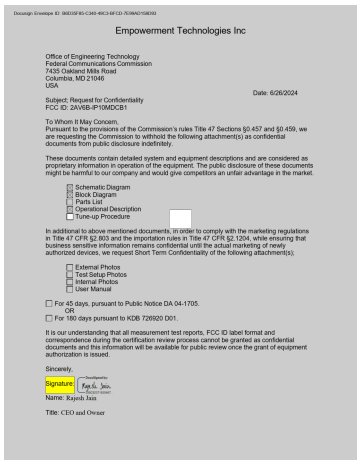
Signature
[Sijie Zhang]

[pdf]

CANADIAN REPRESENTATIVE LETTER OF ATTESTATION Zuo Selina US agent Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

Docusign Envelope ID: B6D35F85-C340-49C3-BFCD-7E99AD158D93 2024/7/19 Attestation Statements TO: Federal Communications Commission Authorization and Evaluation Division 7435 Oakland Mills Road Columbia, MD 21046, USA RE: Attestation Statements Part 2.911 d 7 request for FCC ID: 2AV6B-IP10MDC...

lang:en score:25 filesize: 382.64 K page_count: 1 document date: 2024-07-22



Empowerment Technologies Inc

Office of Engineering Technology
Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046
USA

Date: 6/26/2024

Subject; Request for Confidentiality
FCC ID: 2AV6B-IP10MDCB1

To Whom It May Concern,
Pursuant to the provisions of the Commission's rules Title 47 Sections §0.457 and §0.459, we are requesting the Commission to withhold the following attachment(s) as confidential documents from public disclosure indefinitely.

These documents contain detailed system and equipment descriptions and are considered as proprietary information in operation of the equipment. The public disclosure of these documents might be harmful to our company and would give competitors an unfair advantage in the market.

- ☑ Schematic Diagram
- ☐ Block Diagram
- ☐ Parts List
- ☐ Operational Description
- ☐ Tune-up Procedure

In additional to above mentioned documents, in order to comply with the marketing regulations in Title 47 CFR §2.803 and the importation rules in Title 47 CFR §2.1204, while ensuring that business sensitive information remains confidential until the actual marketing of newly authorized devices, we request Short Term Confidentiality of the following attachment(s):

- ☐ External Photos
- ☐ Test Setup Photos
- ☐ Internal Photos
- ☐ User Manual

☐ For 45 days, pursuant to Public Notice DA 04-1705.
OR
☐ For 180 days pursuant to KDB 726920 D01.

It is our understanding that all measurement test reports, FCC ID label format and correspondence during the certification review process cannot be granted as confidential documents and this information will be available for public review once the grant of equipment authorization is issued.

Sincerely,

Signature

Name: Rajesh Jain

Title: CEO and Owner

[pdf] Confidentiality Request Letter

Fiona Ffuellenbach FCC Short Long Term Confidentiality Request Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

Docusign Envelope ID: B6D35F85-C340-49C3-BFCD-7E99AD158D93 Empowerment Technologies Inc Office of Engineering Technology Federal Communications Commission 7435 Oakland Mills Road Columbia, MD 21046 USA Subject; Request for Confidentiality FCC ID: 2AV6B-**IP10MDCB1** Date: 6/26/2024 To Whom It May Con...

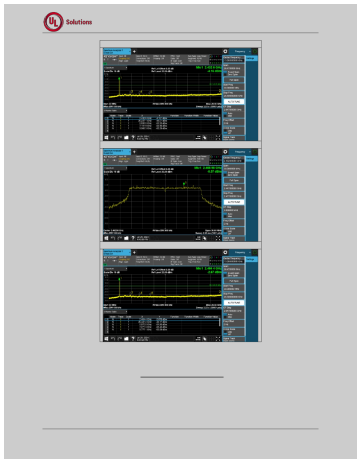
lang:en score:25 filesize: 114.97 K page_count: 1 document date: 2024-08-06

[pdf] Label

ctxtest01 Label Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

Label Location Note: This would be a plastic label with a permanent adhesive. Label Location Note: This would be a plastic label with a permanent adhesive. Label Location Note: This would be a plastic label with a permanent adhesive. Label Location Note: This would be a plastic label with a pe...

lang:en score:15 filesize: 859.74 K page_count: 10 document date: 2024-08-06

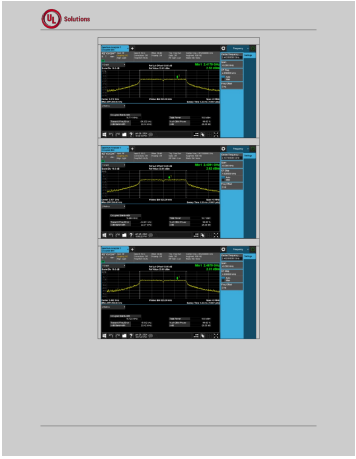


[pdf] Test Report

Mike Heckrotte Test report Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

REPORT NO.: 4791345103.3-RF-1 Page 129 of 129 Tx. Spurious NVNT ax20 2437MHz Ant1 Emission Tx. Spurious NVNT ax20 2462MHz Ant1 Ref Tx. Spurious NVNT ax20 2462MHz Ant1 Emission END OF REPORT UL Verification Services Guangzhou Co., Ltd, Song Shan Lake Branch FORM NO: 10-SL-F0035 This report shal...

lang:en score:14 filesize: 286.85 K page_count: 1 document date: 2024-07-30

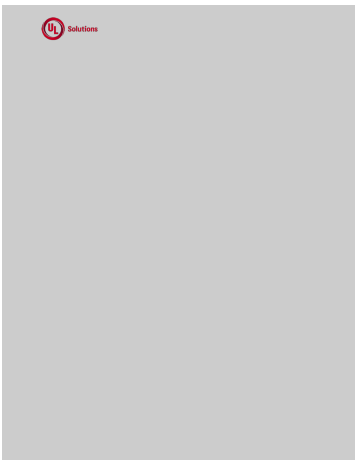


[pdf] Test Report

Mike Heckrotte Test report Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

REPORT NO.: 4791345103.3-RF-1 Page 106 of 129 OBW NVNT g 2412MHz Ant1 OBW NVNT g 2437MHz Ant1 OBW NVNT g 2462MHz Ant1 UL Verification Services Guangzhou Co., Ltd, Song Shan Lake Branch FORM NO: 10-SL-F0035 This report shall not be reproduced except in full, without the written approval of UL Ve...

lang:en score:14 filesize: 5 M page_count: 23 document date: 2024-07-30

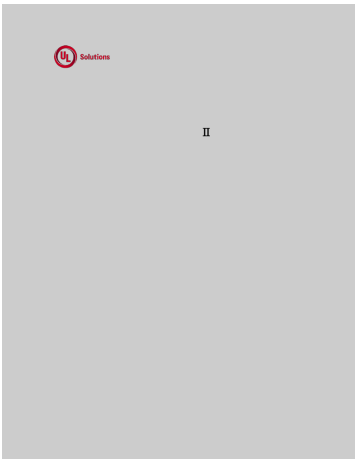


[pdf] Product Photos Teardown

Mike Heckrotte Internal photos Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

Internal Photographs Internal View of EUT-1 Page 2 of 10 Internal View of EUT-2 This report shall not be reproduced except in full, without the written approval of UL Verification Services Guangzhou Co., Ltd, Song Shan Lake Branch. Internal View of EUT-3 Page 3 of 10 Internal View of EUT-...

lang:en score:14 filesize: 1.66 M page_count: 10 document date: 2024-07-30



[pdf] Product Photos

Huang Denny Test Setup Photos Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

Appendix Setup Photographs RADIATED RF MEASUREMENT SETUP ABOVE 1 GHz MEASUREMENT POSITION MEASUREMENT POSITION X axis MEASUREMENT POSITION Y axis MEASUREMENT POSITION Z axis RADIATED RF MEASUREMENT SETUP 30MHz-1GHz RADIATED RF MEASUREMENT SETUP Below 30MHz POWERLINE CONDUCTED EM...

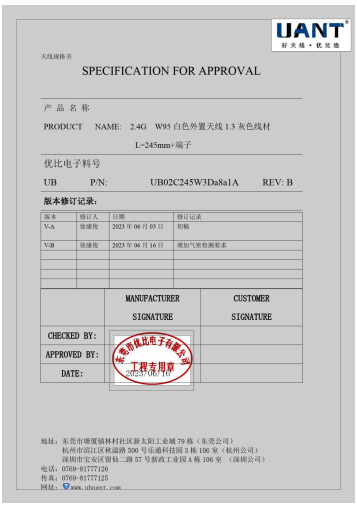
lang:en score:14 filesize: 563.46 K page_count: 5 document date: 2024-07-30

[pdf] Product Photos

Mike Heckrotte External Photographs of EUT Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

External Photographs View of EUT-1 Page 2 of 6 View of EUT-2 This report shall not be reproduced except in full, without the written approval of UL Verification Services Guangzhou Co., Ltd, Song Shan Lake Branch. View of EUT-3 Page 3 of 6 View of EUT-4 This report shall not be reproduced...

lang:en score:14 filesize: 843.01 K page_count: 6 document date: 2024-07-30



SPECIFICATION FOR APPROVAL

产 品 名 称

PRODUCT NAME: 2.4G W95 白色外置天线 1.3 灰色线材

L=245mm+端子

优比电子料号

UB P/N: UB02C245W3Da8a1A REV: B

版本修订记录：

版本	修订人	日期	修订记录
V-A	徐康俊	2023 年 06 月 03 日	初稿
V-B	徐康俊	2023 年 06 月 16 日	增加气密检测要求

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:		

[pdf] Specifications

SPECIFICATION FOR APPROVAL Antenna Report Empowerment Technologies Inc IP10MDCB1 DEFENDER 2AV6B 2AV6BIP10MDCB1 ip10mdcb1

SPECIFICATION FOR APPROVAL PRODUCT NAME: 2.4G W95 1.3 L=245mm UB P/N: UB02C245W3Da8a1A V-A 2023 06 03 REV: B V-B 2023 06 16 CHECKED BY: APPROVED BY: DATE: MANUFACTURER SIGNATURE 2023/06/16 CUSTOMER SIGNATURE 79 500 3 106 57 A 106 0769-81777126 0769-...

lang:i-klingon score:13 filesize: 976.45 K page_count: 16 document date: 2024-05-27