EXTENDÁ
USER MANUAL

VELLO®

THANK YOU FOR CHOOSING VELLO

The Extendá is a Wi-Fi DSLR remote which provides wireless camera control from your smartphone, tablet, PC, or Mac. You can take a photograph, start and stop video, or alter most camera settings using your portable device. In addition to streaming the images to clients, you can safely back up your photos by uploading them directly to iCloud or Dropbox while you shoot.

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LW-100 OVERVIEW

Remote

1. Status LEDs
2. Battery charging port
3. Reset button
4. Lanyard port
5. 1/4″-20 tripod mount
6. Power switch
7. Standard-A USB port
8. Ethernet/network port

Also Included

- Micro-B USB cable
- Mini-B USB cable
- Hot-shoe to 1/4″-20 male post adapter
- Lanyard
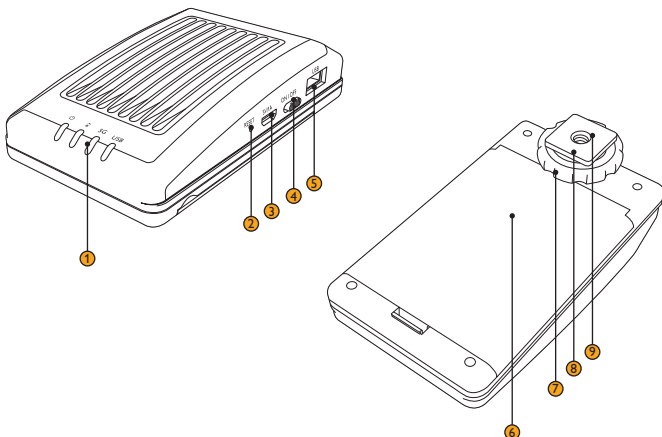
LW-500 OVERVIEW

Remote

1. Status LEDs
2. Reset button
3. Battery charging port
4. Power switch
5. Standard-A USB port
6. Battery compartment
7. Wheel lock
8. Shoe-mount
9. 1/4"-20 mounting socket

Also Included

- Mini-B USB cable
- Micro-B USB cable
- USB 3.0 cable
- Rechargeable lithium-ion battery
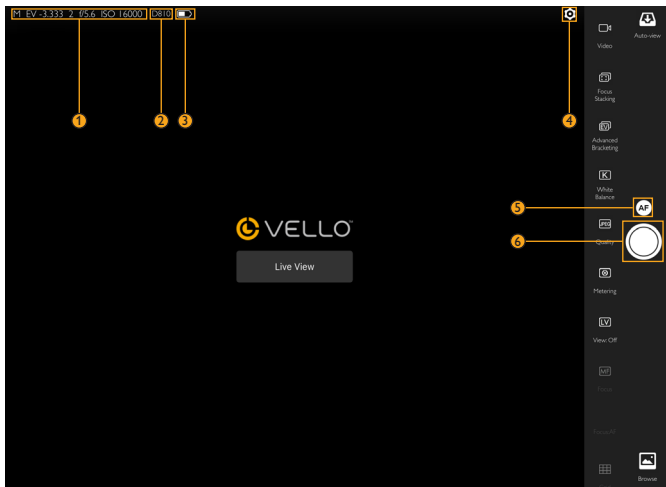
APP SCREEN OVERVIEW

Remote

1. Camera Settings
2. Camera
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4. App Settings
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CHARGING THE EXTENDÁ

Use the Micro-B USB cable to connect the Extendá to a power source, such as a USB power adapter or powered USB port.

LW-100

- **Battery status:**
  Turns orange when the battery power is low.

- **Battery charging status:**
  Orange when the battery is charging.

LW-500

- **Battery status:**
  Flashes red when battery power is low. Orange when the battery is charging. Green when the battery is fully charged.

CHARGING OTHER DEVICES

You can charge devices, such as a smartphone, by using a compatible USB cable to connect your mobile device to the Extendá's USB port while the Extendá is turned on.

REPLACING THE LW-500'S RECHARGEABLE BATTERY

1. Pull down on the battery compartment cover's latch.

2. Insert a screwdriver or included pick into the notches, and pry open the compartment cover.

EXTENDÁ SETUP

Install the Extendá app
You will need to install the Extendá app onto your mobile device (iOS® 8.0 or Android™ 4.0 and above) or Mac or PC computer (Mac OS X 10.10 and above or Windows® XP and above).

1. Mount the Extendá onto your camera. For Sony users, read through Appendix A to set up your camera before proceeding.

2. Use a compatible USB cable to connect the Extendá's USB port to your camera's USB/AV port.

3. Turn the Extendá and your camera on.

Note: Some cameras use specific cables for this operation, which are not supplied.

Settings	Wi-Fi
✈ Airplane Mode ⬜	Wi-Fi ✅
📶 Wi-Fi EXTENDA-12345	✓ EXTENDA-12345 📶 ⓘ
🔵 Bluetooth On	CHOOSE A NETWORK...
	Wi-Fi Network 🔒 📶 ⓘ
🔲 Notification Center	HP-Print-ce-LaserJet 400 📶 ⓘ
🔲 Control Center	GUEST 🔒 📶 ⓘ
🌙 Do Not Disturb	Other...
⚙ General	
🔊 Sounds	
🎛 Wallpapers & Brightness	
✋ Privacy	
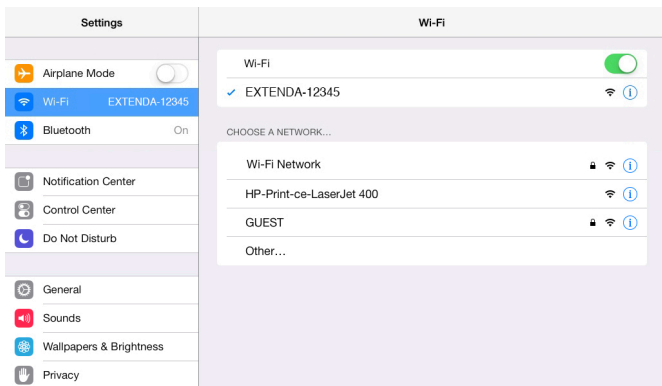
CONNECT TO THE EXTENDÁ WI-FI HOTSPOT

System status indicator:
LW-100: Flashing green when the Extendá is creating a Wi-Fi hotspot. Solid green when the hotspot is established.
LW-500: *5G* flashes blue when the Extendá is creating a Wi-Fi hotspot. Solid blue when the hotspot is established.

1. After turning on the Extendá, wait for the system status indicator light to turn solid.

2. Connect to the Extendá Wi-Fi hotspot [Extendá-XXXX] in your device settings.

Launch the Extendá app on your device.

Important: Please visit Vellogear.com to check the compatible Extendá features with your specific camera model.
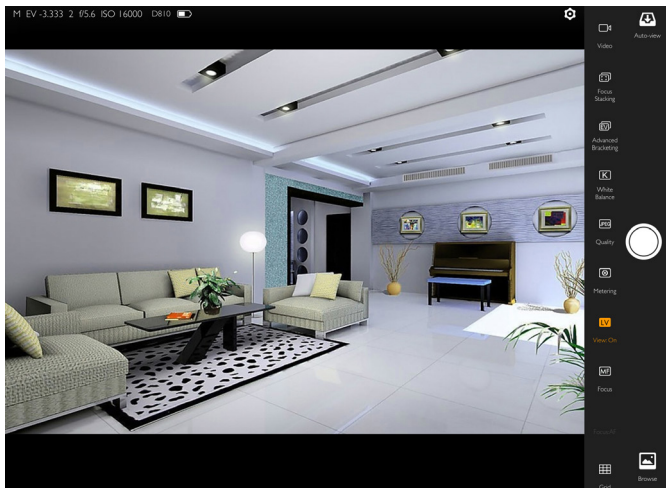
REMOTE CAPTURE

The essential feature of the Extendá is wirelessly capturing photos from your own device.

1. Set up your shot with your camera, and make sure everything is in focus.

2. Select the shutter release button to take a picture.

CAMERA SETTINGS

You can alter your camera's shooting modes and exposure settings, such as aperture, ISO, shutter speed, and exposure compensation.

Some cameras have the ability to change shooting modes.

Note: Exposure step 0.5 is not supported with Sony cameras.
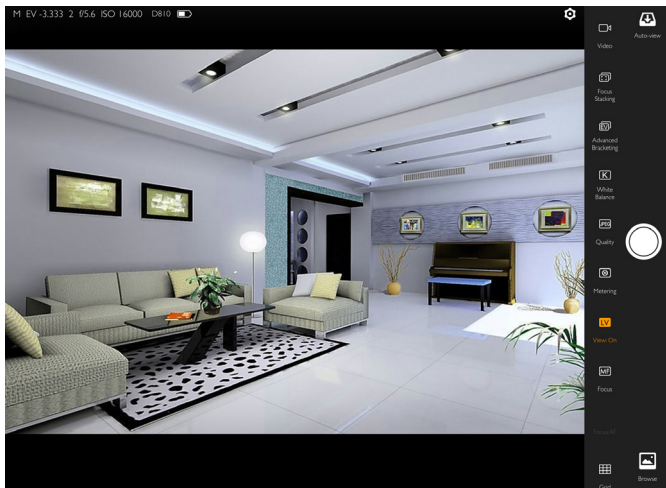
LIVE VIEW ⊡

Live view shows what the camera is shooting in real time on the screen of your device. Your device's screen is usually larger than the one on your camera; this allows you to view the image with greater detail.

Note: Select Canon cameras will exit Live View after each shot. To work continuously in Live View, disable image preview from your camera's menu.

Select ⊡ on the toolbar to switch into live viewing.
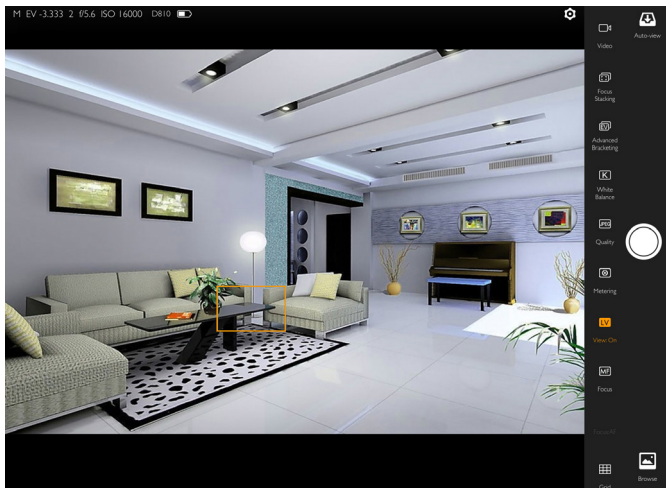
Touch Focus

Touch focus makes it easy to choose a focus point for the camera by touching an area on the screen of your device. (Not available for Sony cameras.)

Select anywhere on the screen of your mobile device to select a focus point.

Note: If you are using a Canon camera, be sure to enable Live View Shooting from the camera's menu.

If you are using a Nikon camera, touch focus will not work if the AF area is set to Face Detection or Continuous Servo AF (AF-C).
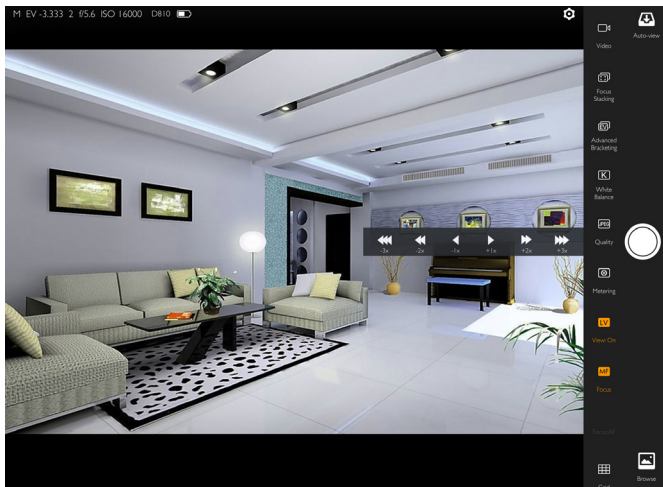
Pinch to Zoom

Pinch to zoom allows you to use two fingers on your screen, and zoom in and out while previewing images. This is handy when you need to make sure that everything is in focus. (Not available during video recording or on Sony cameras.)

Manual Focus MF

The manual focus feature allows you to adjust the focal plane forward or backward. The depth of the focal plane varies depending on focal length, distance to subject, and aperture. (Not available for Sony cameras.)
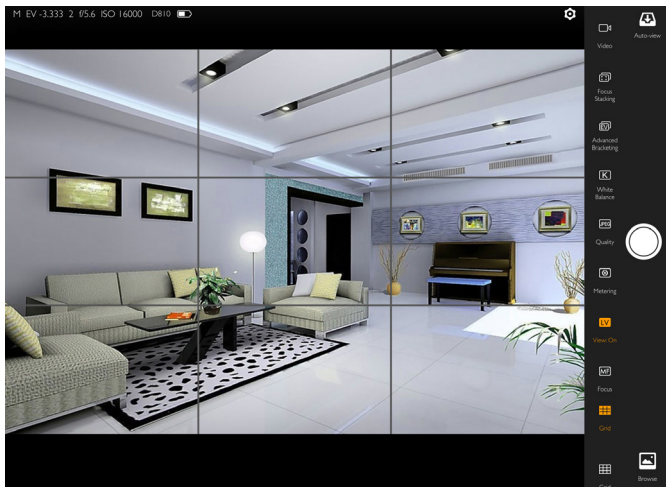
GRID ⊞

Displays a rule-of-thirds grid over the main picture view.

Auto

Daylight

Fluorescent

✓ Tungsten

Flash

Cloudy

Shade

Color Temperature

Preset

Video

Focus Stacking

Advanced Bracketing

White Balance

Quality

Metering

View On

Focus

Grid

Browse

WHITE BALANCE ☀

White balance is used to match you cameras, color profile to the utilized light source. The goal is to render more realistic (natural) colors in your photo or video.

1. Select White Balance to open the menu.

2. Choose your setting while viewing the change in realtime.

QUALITY JPEG

Choose either JPEG or RAW image files with highest image quality (largest file size) to lowest image quality (smallest file size).

1. Select Quality from the settings area.

2. Choose a quality setting.

METERING MODE

Metering allows the camera to evaluate exposure by prioritizing parts of the image.

1. Select Metering from the settings area.

2. Choose the metering mode.

Note: This is not available on select Canon cameras while in Live View.
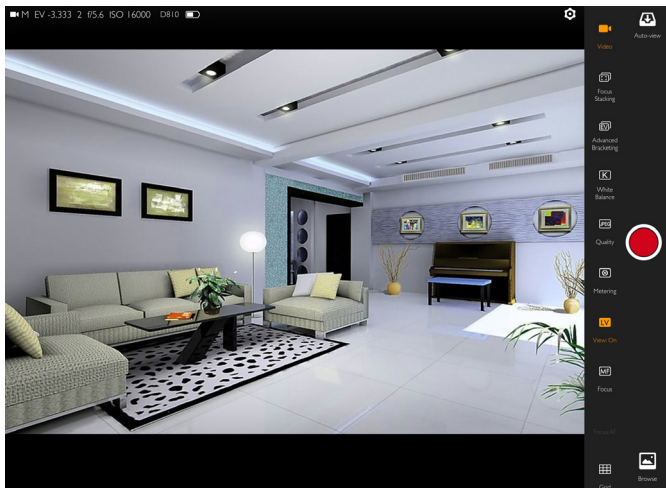
VIDEO ▢◁

Start and stop video while viewing the footage in real time on your mobile device or computer. On select cameras, it may be necessary to physically switch your camera into video mode. (Not available for Sony cameras.)

TIME LAPSE ⏲

Using the Time Laps mode allows you to delay the camera's shutter by either 5 or 10 seconds. This is ideal for selfies, group shots, and other photos when you need to be in front of your camera. In Advanced mode, you can take a series of photos, choosing the start time, interval between exposures, and picture count.

- **Start time:** This is a delay until the start of the sequence.

- **Shooting interval:** Amount of time between each exposure.

- **Shooting count:** Number of exposures in the sequence.

- **Bulb:** Used for exposures longer than 1 second. Note: You must set your camera to Bulb mode.

- **Bulb time:** Duration that the shutter will remain open during Bulb exposure.

- **Start:** Initiates your photo sequence.

FOCUS STACK ⊡

Focus stacking allows you to take a series of photos to combine later in post-processing and create an image with an expanded depth of field. (Not available for Sony cameras.)

- **Step Size:** Choose the size of the focal steps.

- **Forward / Backward count:** Set the number of images that will be shot in front of and behind your starting point of focus.

- **Start:** Begins the sequence.

ADVANCED BRACKETING 🔲
(Bracket Exposure in Android)

Advanced bracketing can be used to generate a series of photos of varying exposures. You can set bracketing for shutter speed, aperture, and ISO. The camera must be in manual mode to use this feature.

- **Property:** Choose shutter speed, aperture, or ISO for the bracketing series.

- **Start From:** This will be the starting value for the bracketed exposures.

- **Step Size:** Determine which values will be captured for the subsequent bracketed shots.

- **Frame Count:** Choose the number of shots for the bracket series.

AUTO VIEW 🔽

Take a picture with your camera, and display the image on your device after it's taken. Use this to stream the photos to clients live while on a shoot. Image transfer speeds will vary. For Sony cameras, the photos will be saved on your device, and not on the camera's memory card, except for the a6500 and a9.
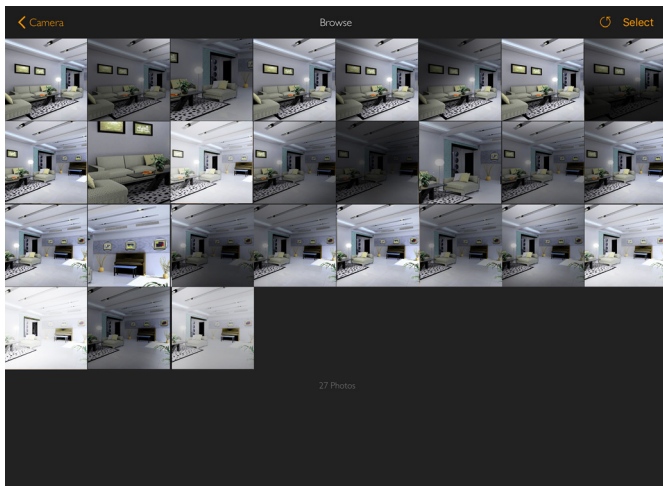
- **Share** ⬆ **:** Save the selected image(s) to your device's internal storage, and share via text message, email, or social media.
- **Info** ⓘ **:** Display exif data such as exposure settings, date/time, and histogram.

Use pinch-to-zoom to make sure everything is in focus after you have taken the shot.

Note: If you're using a Sony camera, see Appendix B to transfer JPEG and save RAW on the SD card (supported by a6500 and a9).

27 Photos

BROWSE 🖼

Browsing allows you to view and select the photos that are on your camera so you can save, delete, or share your photos, and use pinch-to-zoom to make sure everything is in focus. You can also view each picture's exif data, like exposure settings, histogram, or date and time. (For Sony users, follow the instructions in Appendix A to set your camera to MTP mode.)

• **Select:** Choose one or multiple photos in your library.

After you have selected your photos, choose from the following options:

• **Save/Share:** Save the selected image(s) to your devices internal storage and share via text message, email, or social media.

• **Delete:** Erase the image(s) from your camera's media storage.

• **Info:** Display exif data such as exposure settings, date/time, and histogram.

SETTINGS ⚙

- **Connect to Extendá:** Allows connection to different Extendá networks if you have multiple setups.

- **Connection Mode:**
  - AP (Access Point): The Extendá acts as the host for a Wi-Fi access point for device connection.
  - BP (Bridge Port): The Extendá acts as a Wi-Fi device that connects to a router joining an existing network. This allows you to use the Extendá and internet at the same time, so you can upload or backup photos to iCloud or Dropbox while shooting.

- **Access Password:** Set up a password for the Extendá app, then restart the Extendá device.

- **Network Settings:** Choose between a wireless network or LAN. Select a wireless network to connect your device via Wi-Fi. Select LAN if your computer has a wired Ethernet connection. (Not available with the LW-500)

  - SSID: Change the Extendá's SSID network name.
  - Password: Set a password for network access.
  - Channel: Set the network operating channel.

- **Confirm Photo:** Allows you to confirm a photo after it's taken in the Autoview mode.

- **Auto Download:** Automatically downloads the photos to your device when shooting. (Sony only)

- **Transfer Settings:** Select transfer file types and settings.

- **Camera Information:** Shows camera model and lens in use.

- **Print Settings:** Shows printer server address.

- **Help:** Displays address of the manual.

- **About:** Information about software, firmware and manual versions, and Vello information.
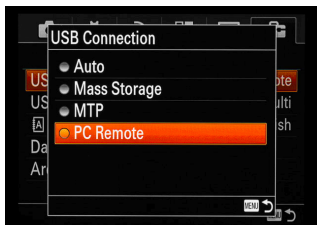
APPENDIX A: SONY CAMERA SETUP

Extendá supports PC Remote and MTP modes on your Sony camera. PC Remote mode allows you to use Live View, change settings remotely, use wireless transmit, and tether. MTP mode provides access to browse your photos on the camera's media storage. You will need to reinsert the Micro USB cable when you switch between PC Remote and MTP modes.

PC Remote mode:
1. Go to your camera's settings menu.

2. Select USB Connection, and set it to PC Remote.

3. Connect the Micro USB cable to your camera's port and the Extendá.

Photos will save to your device, but will not be saved on the camera's memory card except for the a6500 and a9.

MTP mode:
1. Go to your camera's settings menu.

2. Select USB Connection, and set it to MTP.

3. Connect the Micro USB cable to your camera's port and the Extendá.

APPENDIX B:
SONY CAMERA JPEG/RAW FILE TRANSFER INSTRUCTIONS

1. Press the camera's menu button.

2. Set the quality to RAW & JPEG.

3. Select the PC Remote Settings.

Set Still Img. Save Dest. to PC+Camera, and RAW+J PC Save Img to JPEG Only.

This will save the RAW file in camera and the JPEG on your device.

PRECAUTIONS

- Keep this product away from water and any flammable gases or liquids.

- Do not expose this product to humidity or extreme heat or cold.

- Make sure this product is powered off when plugging it into a power source.

- Use only the correct, recommended voltage.

- Do not attempt to disassemble or repair this product.

- Handle this product with care.

- Clean with only a soft, dry cloth.

- Keep this product away from children.

- Make sure that this product is intact and that there are no missing parts.

- All images are for illustrative purposes only.

FCC STATEMENT

⚠ This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and

2. This device must accept any interference received, including interference that may cause undesired operation.

FIRMWARE UPDATES

The Extendá mobile app automatically checks for firmware updates. If new firmware is available, the Extendá mobile app will start the update wizard. Follow the instructions provided by the wizard to update the firmware.

For Mac/PC users, check vellogear.com for firmware updates.

TROUBLESHOOTING

Problem	Solution
I don't see the Extendá network on my device.	Make sure the Extendá device is on and has established an ad-hoc network before trying to connect. The system status indicator will turn solid green.
The Extendá app won't connect to my camera.	Wait for the Extendá device to establish an ad-hoc network before starting the app. The system status indicator will turn solid green.

SPECIFICATIONS

	LW-100	LW-500
Wi-Fi	Ad-hoc network with 802.11AC support	
Range	164 ft. (50 m)	196.9 ft. (60 m)
Signal bandwidth	2.4 GHz	5.8 GHz
Controls	Live view, Photo capture, Movie recording (with focusing), Intervalometer, Bulb, Shutter speed, Aperture, ISO, Metering mode, Drive/shooting mode (Nikon only), White balance, Image format, Exposure compensation, Exposure bracketing, Focus stacking, Touch focus, Touch zoom	
Image format	JPEG, RAW	
Interface	Standard-A USB	
Software requirements	iOS® 8.0 and above, Android™ 4.0 and above, Mac OS X 10.10 and above, Windows® XP and above	
Battery	3.7 V/1800 mAh rechargeable battery	3.8 V/ 3200 mAh rechargeable battery
Battery Watt Hours	12.2 Wh	
Battery life	Up to 6 hr.	Up to 3 hr.
Input power	5 V/1 A	
Dimensions (H × W × D)	1 × 1.7 × 3.5 in. (2.5 × 4.3 × 9 cm)	1.6 × 2.5 × 4.2 in. (4 × 6.4 × 10.6 cm)
Weight	3.5 oz. (100 g) with adapter	12.6 oz. (356 g)

ONE-YEAR LIMITED WARRANTY

VELLO®
A **Gradus Group** Brand

GG2

vellogear.com