The Professional Choice for Light Control

L-358
L-758DR
C-500R
Incident Light Metering

Unlike in-camera metering, handheld, incident light meters don’t require multi-patterned readings, complex exposure control systems, or +/- exposure correction when they fail. They are, in fact, the simplest and most direct way to determine exposure. And because incident meters measure the light that falls on your subject, they provide camera settings that render the image exactly the way it appears. Blacks are black. Grays are gray. Whites are white.

Retracting the Sekonic L-358’s Lumisphere enables you to quickly judge the brightness of multiple light sources for fast, accurate adjustment of lighting ratios.

Sekonic Flash Master L-358
THE SIMPLE SOLUTION TO CREATIVE LIGHT CONTROL WITH OPTIONAL WIRELESS TRIGGERING

Directional light is powerful. It guides the viewer, creates mood, and adds dimension, depth, and texture. If you want to create a signature style that elevates your photography to the next level, the mastery of off-camera lighting should be your next goal.

Subjects – clients – are not impressed with a shoot, view, and adjust photo style. Lighting ratios, ambient balance, and final exposure must be set confidently. Knowledge and use of the tools of photography assure that the outcome is the intended one. And for images like this one, the Sekonic L-358 is the professional photographer’s meter of choice.
Analyzing Function
The L-358 is especially useful for on-location shooting to lighten shadows or reduce background detail. That’s because it measures ambient and flash simultaneously and automatically indicates the percentage of flash in the total exposure. You can easily adjust the ambient flash mix by turning the Jog Wheel. The digital display indicates the camera settings and an analog display shows the relationship between ambient and flash and the total exposure.

Flash Light Metering
Shutter-priority readings of flash light can be made with a synch cord or cordlessly at shutter speeds from 30 minutes to ¼ second. The L-358 automatically resets after each reading in cordless mode to enable fast adjustment of flash brightness. The multi-flash function enables accumulating an unlimited amount of flash pops for times when a single flash pop cannot achieve the proper exposure or the amount of depth of field needed for the subject.

Optional Radio Flash Triggering
Simply plug the optional Sekonic RT-32 Transmitter Module into the battery compartment and wirelessly trigger flash units up to 100 feet away. The transmitter offers 32 digital coded channels and Quad-Triggering Zones and is compatible with PocketWizard® radio triggering systems, as well as the PocketWizard Wireless Freedom partners.

Ambient Light Metering
Take shutter-priority or aperture-priority readings from 30 minutes up to ⅛ second and f/1 to f/90.9 with ⅛-stop accuracy. The L-358 displays exposure both digitally and on an analog scale for easy readout. Custom functions enable adjusting the shutter speed and aperture readout for full, half, and third-stop increments to mirror the setting of your camera. You can change exposure settings after reading and the meter will automatically compensate to maintain the proper exposure. And the extended sensitivity range, EV -2 to 22.9 for ISO 100, allows taking exposure measurements in virtually any kind of light.
Sekonic L-358 Functions
All controls are at your finger tips. Familiar Jog Wheel operation and large LCD readout make settings fast and easy.

Contrast Function
Setting up lighting ratios or checking the evenness of a background or scene is push-button simple. Take a reading of the key or reference light and press the AVE/ΔEV button to create a standard. Then press the measuring button to display the brightness difference between the standard and new reading.

Additional Features
Reflected light metering: Included Lumigrid or optional 1, 5, and 10-degree viewfinder spot attachments
Swivel head
9-reading memory plus averaging
Illuminated Data panel
Dust-proof and splash-proof (JIS Standard Water Resistance Class 4)
Cine frame rates from 2 to 360 fps
Reflected Light Spot Metering

The Sekonic L-758dr incorporates a precise 1-degree, reflected light spot meter.

Reflected light metering tells you about the subject. Different from incident light metering that produces readings only for the middle of your camera’s exposure range, reflected light metering can also show you where the edges are. The key to working with the L-758dr’s spot meter is knowing the dynamic range of your camera. That is, the tonal range your camera is capable of recording. Program this into the L-758dr and you can easily know which details will be properly imaged and which will be over or under the range of your camera. Armed with this knowledge, you can make exposure decisions that take full advantage of your camera’s imaging capabilities to produce pictures with greater tonality and clarity than you have ever known before.

Digital Photography: Boundless Possibilities

Today’s High Dynamic Range (HDR) processing enables breaking through the limits to produce results never seen before. Knowing your camera’s capabilities and precise exposure readings with the L-758dr will help you make right exposure settings and save you time in processing. The picture of this Mexican plaza and church was created shooting multiple images and “merging” them in HDR processing.
Do you know the dynamic range of your camera?

Determining the Dynamic Range of your camera.
Shoot with the equipment you use most. Make tests under daylight and studio lighting. Exposure Profile Target requires an 11-shot bracket (0, +/- 5EV). Exposure Profile Target II requires a 3-shot bracket (-3EV, 0, +3EV). Make a spot reading of 18% reflectance tone and incident reading in front of target and record data. Shoot the bracketed shots based on incident light measurement.

Entering Data
Download test images into computer. If shot in RAW, convert to TIFF for computation. Enter ISO, incident, and reflected light shooting data. Then select images and press OK to watch the Sekonic Data Transfer Software program graph the dynamic range of your DSLR camera. Save the data for transfer to the L-758dr.

Programming Meter
Switch OFF L-758dr. Connect it to the computer with USB cable and switch L-758dr ON. Select up to three camera profiles. Press transfer. Switch OFF L-758dr, disconnect, and switch ON to begin using.

Full information Spot Viewfinder
The 1-degree spot meter has a broad reading range from EV 1 to EV 24.4 for ambient light and measures flash down to an amazing f/2.0. Its large, bright viewfinder with diopter correction and full-information data display give you everything you need to make the right exposure decisions without having to take your eye from the eyepiece.
Memory Mode and Latitude Display

Up to nine readings can be memorized and displayed on the meter’s analog display. Once programmed, the L-758’s latitude display mirrors the dynamic range of your camera and is your guide to making exposure decisions that will get you the pictures you want.
**Contrast Function**

Use the L-758’s contrast function to simplify measuring the brightness range of a scene. Spot meter a mid tone or take an incident-light reading and press the AVE/ΔEV button to create a mid tone standard. Then press the measuring button to display the brightness difference between the standard and new reading. Knowing the dynamic range of your DSLR is vital to making the best use of this important feature.

**Memorized Mid Tone value**

Highlight is +2.6 brighter

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**Ambient Light Metering**

Take shutter-priority or aperture-priority readings from 30 minutes up to 1/8000 second and f/0.5 to f/128 and display them in full, ½ or ⅓ stop increments. Exposure is displayed both digitally and on an analog scale for easy readout. Settings can be changed after reading with automatic compensation to maintain the proper exposure. The extended sensitivity range, EV -2 to 22.9 (Inc) and EV 1 to 24.4 (Ref) for ISO 100, enables taking measurements over a wide range of lighting conditions.

**Flash Light Metering**

Shutter-priority readings of flash light can be made with a synch cord or cordlessly at shutter speeds from 30 minutes to 1/1000. The L-758 automatically resets after each reading in cordless mode, to enable fast adjustment of flash brightness.

**Built-in Radio Flash Triggering**

Simply press the measuring button to wirelessly trigger flash units up to 100 feet away. The built-in transmitter offers 32 digital coded channels and Quad-Triggering Zones and is compatible with PocketWizard radio triggering systems, as well as the PocketWizard Wireless Freedom partners.

**Analyzing Function**

The L-758 is especially useful for on-location shooting to lighten shadows or reduce background detail. That’s because it measures ambient and flash simultaneously and automatically indicates the percentage of flash in the total exposure. You can easily adjust the ambient flash mix by turning the Jog Wheel. The digital display indicates the camera settings and an analog display shows the relationship between ambient and flash and the total exposure.
Sekonic L-758dR Functions
All controls are instantly available. Positive Jog Wheel operation and clearly marked buttons make for fast and easy handling.

Other Features

Incident Light Readings
Use it to establish mid tone measurements. Retractable Lumisphere makes adjusting illumination for lighting ratios or exposure of flat subjects.

Dual ISO
Enables instant adjustment or exposure readings for different ISO, filter factors, exposure factors, or exposure biasing.

Swivel Head
Turn to position incident dome properly while maintaining full view of the data display.

Illuminated Data Panel
Comes on at levels below EV 6.

All-Weather Design
Dust-proof and splash-proof (JIS Standard Water Resistance Class 4).

Custom Functions
14 custom settings enable setting the display for full, ½ and ⅓ stop readout, adjust Latitude display, control functions, select displayed exposure modes and more.
Controlling the light in front of your camera is the first step in your color workflow.

As long as you are working with a single light source, you can count on the white balance function of your camera or computer to get the color you want. However, add a second light, a light modifier, or work on location with today’s mix of tungsten, halide, vapor and fluorescent lights, and you will either have to fix it up front or fix it later, if you can. How do you arrive at a common, single color tone that is easy for your camera or software to correct? How do you introduce additional flash illumination in the foreground without making it look like, well, additional flash illumination? And knowing that the color accommodation of your eyes and brain make unaided color adjustment nearly impossible to judge by yourself, how do you know how much color filtration is enough and when you’ve over corrected? If color is important, a Sekonic C-500 Series color meter should be in your arsenal of photographic tools.

- Picture recorded at 2600°K to maintain visual warmth of tungsten lighting above cabinets. Other sources are filtered to produce the proper visual affect for this level.

  Skylight: 7500°K (blue) filtered with ¾ CTO (orange) to maintain some visual blue.
  Lights above cabinets: 2400°K, no filtration.
  Rangehood: 3000°K, no filtration.
  Windows outside of view to right: 5200°K filtered ½ CTO (orange) to match ambient room light.
  Umbrella-strobe illumination of center island and chair backs: 5200° filtered ½ CTO (orange).
  Warm White fluorescent lights below cabinets (green): wrapped with 15CC magenta gel.
Color creates mood and enhances the viewer’s perception of reality. However, creating the image you need often means adding illumination to fill in shadows or improve contrast while maintaining the natural look of the scene. Careful measurement of ambient light and flash fill enabled adjusting the flash-light filtration to create a virtually imperceptible effect.

Wireless Radio Triggering Mode (C-500R model only)
The Prodigi Color C-500R is the first color meter to incorporate a flash triggering radio transmitter module. Simply press the measuring button to wirelessly trigger flash units up to 100 feet away. The built-in transmitter is compatible with PocketWizard radio triggering systems, as well as the PocketWizard Wireless Freedom partners (Photogenic, Norman, Lumedyne, Dyna-Lite and Profoto with built-in PocketWizard radio technology). The Wireless Radio Triggering Mode offers 32 digital coded channels and Quad-Triggering Zones.
Digital and Film Compatible
The PRODIGI COLOR C-500 and C-500R measure and display color temperature and compensation values in LB/CC index or filter numbers for both digital and film cameras. In Digital mode, the color temperature and compensation readings are based on human visual response. In Film mode, readings are based on the color characteristics of traditional photographic film. By engineering the spectral characteristics of both systems into a single meter, Sekonic designers have given you greater control over lighting and color reproduction than ever before, regardless of your medium.

Engineering a meter to accurately measure color for both human visual response (digital sensors) and the characteristics of photographic color film required more than just creating a new set of algorithms to process the data. Properly measuring red intensity was a major hurdle. Sekonic designers solved the problem by incorporating four color sensors: a Red sensor for visual/digital response (Rd); a Red sensor for photographic film response (Rf); a Green sensor (G); and a Blue sensor (B). They then developed a new “Simulated Spectrum” software solution (patent pending) that emulates the blue and green channel color response for both digital and film.
Brightness and Color Value Display

**Illuminance Measurement**
The brightness of continuous light sources is displayed in LUX (lx) or foot-candle (FC). Illuminance measurement is especially useful for cinematography, videography, theatrical and other applications that require precise control of light source brightness.

**Color Temperature Display (in Kelvin)**
The color temperature is displayed for human visual response in Digital Mode or the spectral response for photographic color film in Film Mode.

**LB/CC Index Display**
The LB (Light Balancing) in MK⁻¹ (Per Mega Kelvin equivalent to Mired) and CC (Color Compensation) Index correspond to light source filtration systems. This simplifies the selection of amber (CTO) or blue (CTB) filtration as well as the amount of magenta or green (CC) filtration needed to balance the color of the lights you are using.

Also, the correction values can be directly entered into the color adjustment mode of some professional DSLR cameras.

**LB/CC Filter Number Display**
Used primarily for film applications, amount of lens filtration needed is directly indicated in both LB (Light Balancing) and CC (Color Compensation) filter values. The display can be adjusted to read out in KODAK Wratten, LEE or FUJIFILM filter systems in the custom setting MENU.

**Other Functions**

**Flash Color Measurement**
Simultaneous color measurement of flash and ambient light is available in non-cord, cord and wireless modes at synch speeds from 1 to $\frac{1}{500}$ second. Flash brightness is read in two intensity ranges, H (high) for high-power studio flashes or L (low) lower power or shoe-mount flash units.

**Preset White Balance / Color Compensation Function**
Nineteen presets enable adjusting display values to compensate for differences in film types, light sources, digital sensors, or personal preference. An eight-character readout on the display allows creating custom naming for easy identification of the compensation value.
Memory (Δ) Function
A simple way to observe differences in light-source brightness or color is with the C-500 Series memory function. Simply take a reference reading and press the memory (Δ) button. Then press the measuring button and measure any other light source to see the difference in brightness (foot-candle or Lux) or color (Kelvin or filtration).

Power Source
Uses convenient AA alkaline, lithium, or rechargeable batteries.

Custom Settings
1. Shutter speed steps (Full, ¼ step or ½ step)
2. Target color temperature increments (100K, or 10MK⁻¹ Step)
3. LB index display step (1MK⁻¹, 1daMK⁻¹ step, w/o decimal point, 1daMK⁻¹ step with decimal point)
4. LB filter number display (Kodak/LEE or Fujifilm)
5. Automatic power off setting (20, 10, 5 minutes, or no setting)
6. Illuminance measurement mode (No display, both lx & FC, either lx or FC)

Color Control Command Center
Easy, one-touch display. The world’s most comprehensive array of color/illumination information. The PRODIGI COLOR C-500 and C-500R put you in command of any color control situation.
Optional Accessories

Exposure Profile Target II
This 25-patch test target gathers even more information about a camera's exposure characteristics. It consists of two sides: An 18% Gray Card to establish color balance before profiling and Profile Target made up of central 18% gray patch and 24 surrounding patches arranged in ¹⁄₆th stop values. It offers faster, more accurate testing because it requires only three shots: One at L-758's metered exposure; one at -3EV and one at +3EV. It is fully compatible with the new Sekonic Data Transfer Software version 2.0.

Exposure Profile Target
The more basic of the targets, it consists of 7 patches arranged in ¹⁄₆th stop decreasing reflectance. The patch set is surrounded by an 18% reflectance gray field with white and black bars above and below respectively. Profiling is done by taking eleven (11) exposures which include a standard exposure metered from the 18% tone and 5 shots in successive 1EV steps above and below the metered exposure. It is fully compatible with the new Sekonic Data Transfer Software version 2.0.

Step Up Ring /Lens Hood for L-758DR
For attaching filters to the front of the Spot meter lens (up to 40.5mm filter). Also acts to prevent erroneous light measurements caused by lens glare.

NP Finder 1°, 5°, 10° for L-358
All-weather designed Non-Parallax 1°, 5°, 10° (angle of acceptance) spot metering viewfinders offer precise reflected light measurements of both flash and ambient light.

Gray Card
Convenient, pocket-size gray card target.

Dual Synch Cord
Allows flash measurement and triggering without reconnection to camera.
**Digital Wireless Radio Triggering System**

**Radio Triggering Module RT-32**
The Radio Transmitter Module plugs directly into a built-in compartment behind the battery door of the L-358 (and L-758cine). It wirelessly triggers PocketWizard Receivers and Transceivers as well as studio flashes equipped PocketWizard technology up to 100 feet away as the meter takes a measurement. Channel ID's are easily selected through the meter's controls and LCD readout. (CH 1-16 Single Remote Triggering, CH 17-32 Remote control “Quad Triggering”), compatible with PocketWizard Digital Radio triggering systems.

**PocketWizard Plus II Transceiver**
4-Channel auto-switching Digital Radio Transceiver 1600 ft range. Ultra-fast processing for flash synch of \( \frac{1}{250} \)th for focal plane, \( \frac{1}{500} \)th for leaf shutters and shooting at up to 12 frames-per-second. Relay mode enables meter or third PocketWizard to trigger camera-flash studio setup. Local/Remote control enables switching between camera mounted and remote triggers. Features extended battery life, shoe mount and \( \frac{1}{4}-20 \)" mounting thread. Compatible with the first four channels of all PocketWizards. (Requires camera or flash connecting cables. Includes two "AA" Alkaline batteries.)

**PocketWizard MultiMAX Transceiver**
32-Channel Digital Radio Transceiver, with a 1600 ft+ range. Advanced features include: integrated “Trigger Time Control” software, “Selective Quad Triggering” for up to four zones of remote control lighting, and “Radio Trigger Confirmation” on all four Quad-Triggering Zones. At the flip of a switch it can be set to either transmit or receive radio signals or do both individually or simultaneously. The MultiMAX also includes an illuminated Soft-Touch keypad, Back-lite LCD panel, hot shoe mount and \( \frac{1}{4}-20 \) female mounting thread. Other features include \( \frac{1}{1000} \) sec. flash synch (in fast mode), contact closure adjustment, trigger counter, relay mode and optional flash confirmation sensor.
<table>
<thead>
<tr>
<th>Sekonic meter</th>
<th>Digital Master L-758dr</th>
<th>Flash Master L-358</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Hand-held exposure meter for measuring for ambient and flash light</td>
<td>Hand-held exposure meter for measuring for ambient and flash light</td>
</tr>
<tr>
<td><strong>Light receptor element</strong></td>
<td>2-Silicon photo diodes (incident and reflected)</td>
<td>Silicon photo diode</td>
</tr>
<tr>
<td><strong>Light Receiving Method</strong></td>
<td>Rotating I Head</td>
<td>Rotating I Head</td>
</tr>
<tr>
<td><strong>Reflected Light</strong></td>
<td>1 degree (built-in)</td>
<td>54 degrees (Lumigrid) standard accessory</td>
</tr>
<tr>
<td><strong>Switching between Incident / reflected readings</strong></td>
<td>Rotate collar around spot meter eyepiece</td>
<td>Install reflected light attachment</td>
</tr>
<tr>
<td><strong>Measuring Modes</strong></td>
<td>Ambient</td>
<td>Ambient</td>
</tr>
<tr>
<td><strong>Measuring Range (ISO 100)</strong></td>
<td>Ambient EV -2 to EV 22.9</td>
<td>EV -2 to EV 22.9</td>
</tr>
<tr>
<td><strong>Display Ranges</strong></td>
<td>ISO 1 / ISO 2</td>
<td>ISO 3 to 8000 in 1/3 steps</td>
</tr>
<tr>
<td><strong>Calibration Constant</strong></td>
<td>Incident Light: Lumisphere C = 340, Lumidisc C = 250</td>
<td>Lumisphere C = 340, Lumidisc C = 250</td>
</tr>
<tr>
<td><strong>Repeatability</strong></td>
<td>+/-0.1 EV</td>
<td>+/-0.1 EV</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>-10 to 50°C (-4°F to 122°F)</td>
<td>-10 to 50°C (-4°F to 122°F)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>9.45 oz (268 g) with battery</td>
<td>5.4 oz (153 g) with battery</td>
</tr>
<tr>
<td><strong>Standard accessories</strong></td>
<td>Soft case, Strap, Lens cap, USB cable, CR-123A lithium battery, Quick guide, Sticker for Multi-key Operation and CS, Software in CD-ROM, Operating Manual</td>
<td>Lumigrid, Soft case, Strap, Operating Manual, CR-123A lithium battery</td>
</tr>
<tr>
<td><strong>Optional Accessories</strong></td>
<td>Exposure Profile Target, Exposure Profile Target II</td>
<td>RT 32 Radio Transmitter, Spot Viewfinder 1°, Spot Viewfinder 5°, Spot Viewfinder 10°</td>
</tr>
<tr>
<td><strong>Main functions</strong></td>
<td>Exposure Profiling, EV scale, 14 custom functions, Latitude warning, USB port, Flash/ambient analyzing function, Full, 1/2, 1/3 step selectable readings, Nine reading memory, Average function, Contrast function, Flash, Cumulative mode, Shutter speed priority mode, Aperture priority mode, EV (Exposure Value) mode, All weather design, Automatic backlight, Independent exposure compensations, for incident and reflected light, Setting two ISO sensitivity, Auto power off, Battery power Indicator, Jog wheel Lock, Dioptrer adjustment, Tripod socket</td>
<td>Flash/ambient analyzing function, Full, 1/2, 1/3 step selectable readings of aperture value and shutter speed, Nine reading memory, Average function Contrast function, Cumulative mode Shutter speed priority mode, Aperture priority mode, EV (Exposure Value) mode, All weather design, Auto backlight, Setting two ISO sensitivity, Auto power off, Battery power Indicator, Cine speeds, Jog wheel Lock, Optional spot viewfinder</td>
</tr>
</tbody>
</table>
## Sekonic C-500, C-500R Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Three-color photographic color meter with four sensors to determine visual (digital) or photographic (film) color temperature of light sources and filtration required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receptor Head</td>
<td>Rotating (90° to the right/180° to left) receptor head containing four filtered photo diodes under flat incident light receptor</td>
</tr>
<tr>
<td>Measurement type</td>
<td>Digital mode Visual Color Temperature (based on color matching function) Film mode Photographic color temperature (based on film spectral characteristic)</td>
</tr>
<tr>
<td>Measuring modes</td>
<td>Ambient Yes                                                                                                                              Flash Cordless/Cord Yes Radio triggering Yes (C-500R only)</td>
</tr>
<tr>
<td>Measuring ranges</td>
<td>Color Temperature 2,300K to 20,000K (At ISO 100 equivalent) Ambiant light EV 3 to 16.3 (20lx to 200,000lx) Flash light Range Low F No.2.8 to 22 (20lx/s to 1,300lx/s) Range High F No.16 to 90.9 (640lx/s to 38,000lx/s)</td>
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<tr>
<td>Display modes</td>
<td>Digital Ambient/Flash light *Visual Color temperature + CC index *LB filter number + CC filter number (Fuji’s LBA/LBB, Kodak Wratten/LEE filter number) *LB index + CC index</td>
</tr>
<tr>
<td>Display ranges</td>
<td>Film Ambient/Flash light *Photographic Color temperature *LB filter number + CC filter number (Fuji’s LBA/LBB, Kodak Wratten/LEE filter number) *LB index + CC filter number</td>
</tr>
<tr>
<td></td>
<td>Illuminance Ambient light only *Lux(lx) *Foot-candle(ft-cd)</td>
</tr>
</tbody>
</table>
|                | Measured color temperature 2,300K to 20,000K Selected color temperature 2,500K to 10,000K LB index -500 to +500 (in MK') LB filter number Fuji’s LBA/LBB LBB20 to LBA20 Kodak Wratten/LEE 80A+80D to 85B+81EF CC index 80G to 80M CC filter number 200G to 200M Illuminance 2.5lx to 610,000lx, 0.23FC to 56,500FC Synch speed Flash light 1s to 1/500s (in 1, 1/2 or 1/3 steps) plus 1/75, 1/80, 1/90, 1/100, 1/200, 1/400 Preset no. Digital mode 19 Film mode 19 Dot matrix display Channel 8 user-adjustable characters Radio triggering Quad-triggering zone A, B, C, or D (C-500R only) Operating temperature range -10 to 50°C (14°F to 122°F) Storage temperature range -20 to 60°C (-4°F to 140°F) Power Two AA 1.5V batteries (Alkaline, Manganese, Lithium, Nickel, NiCd and NiH) Dimensions 2.4 x 6.2 x 1.1in (62 w x 158.6 h x 28 d mm) Weight CS500: 8.1 oz (230g) with batteries, C-500R: 8.1 oz (230g) with batteries Standard accessories Soft case, Strap, Syncro terminal cap, Operating manual, Quick Guide, 2 AA dry cell alkaline batteries Main functions Color temperature measurement, illuminance measurement, Custom settings, Preset White Balance/Color Compensation, Color/illumination contrast comparison, Battery power indicator, Auto power off, Automatic EL backlight, Jog wheel lock, Tripod socket, Wireless radio triggering (C-500R)