

UDR-V2016-Z Ultra Dynamic Range

WeldWatch[®] Zoom Weld Camera System

Ask us about
our Educational
Discounts*



*Record and view the arc,
electrode, puddle, joint and surrounding
base material before, during and after
the welding process.*

- AVI video files or full Dynamic-Range original
- Play, pause or single-step through frames
- Built-in Lens with 10x optical zoom

**VISIBLE
WELDING[®]**

*Terms and conditions may apply. Application required.

Visible Welding® UDR V2016-Z Weld Video Camera System with WeldWatch® Software

Visible Welding® UDR V2016-Z Description

The Visible Welding® UDR V2016-Z welding camera is specially designed for live viewing of arc welding. In addition video and stills can be digitally recorded for analysis, email or archiving.

With a dynamic-range of over 10,000,000:1, the camera can capture both arc and metal simultaneously. See the arc, electrode, puddle, joint and surrounding metal before, during and after the welding process.

Ultra-Dynamic-Range (UDR) is the key to effective welding images. A welding arc can be a million times brighter than the metal, far exceeding even high-end industrial and specialty cameras.

The V2016-Z reaches UDR levels by combining the latest High Dynamic Range (HDR) log sensor with powerful digital signal processing. Each complements the other resulting in a quality and dynamic-range greater than either alone.

Visible Welding® UDR V2016-Z Features

Camera

- Full Color, resolutions up to 640 x 480
- 140 dB dynamic range (10,000,000:1)
- 30 fps (frames-per-second) at 640 x 480
- Built-in Lens with 10x optical zoom
- Filter-less allowing arc in any location in field of view

Factory Ready

- Optional air-cooled model (EM19585) operates in ambient temperatures up to 250° F, 120° C
- 2 bright LEDs illuminate work
- USB 2.0 Connection for power and communication
- Compact 2" x 2.5" x 4.75" (50mm x 62mm x 121mm)

WeldWatch® PC Software

- Low Latency Digital Image Processing
- Proprietary Log Rendering
- Rotate, flip the image
- Integrated Recording and Playback
- Digital zoom 1x – 10x (1x to 100x total)

Visible Welding® UDR V2016-Z Accessories

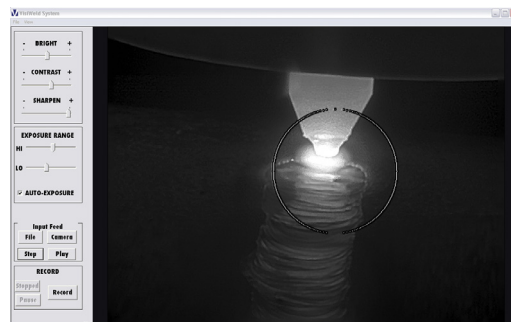
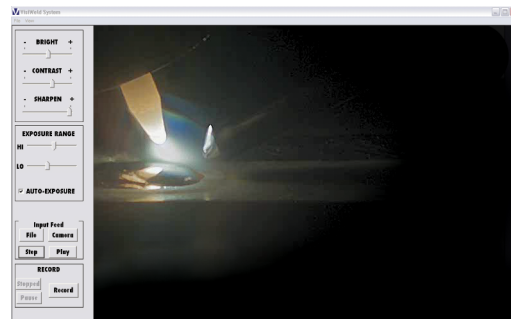
- EM19329 - Visible Welding V2016-Z Camera Control Pendant
- EM19582 - 5 Piece Professional Filter Kit
- EM18586 - HD Goggle Display
- EM18748 - V2016-Z Spatter Shield Kit for LEDs
- EM18750 - V2016-Z Set of 10 Spatter Shields for LEDs
- EM18651 - Visible Welding 2016-Z Rugged Spanner Wrench
- EM66199 - Silicone Covered Fiberglass Cable Sheathing, 18 inches in Length
- EM68205 - 4 Port USB 2.0 Hub

Visible Welding® UDR V2016-Z Lens Options

- EM18747 - V2016-Z Spatter Shield Kit
- EM18749 - V2016-Z Set of 5 Spatter Shields

Visible Welding® UDR V2016-Z Cameras*

- EM19584 - UDR-V2016-Z Uncooled Camera and System Software
- EM19585 - UDR-V2016-Z Air-Cooled Camera and System Software



*Laptop Sold Separately

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