Equip Your 7mm Microcamera To Perform Anywhere . . .

- Cavity Inspections
- High-energy Fields
- Abusive & Hazardous Areas
- Hot & Cold Environments
- Underwater
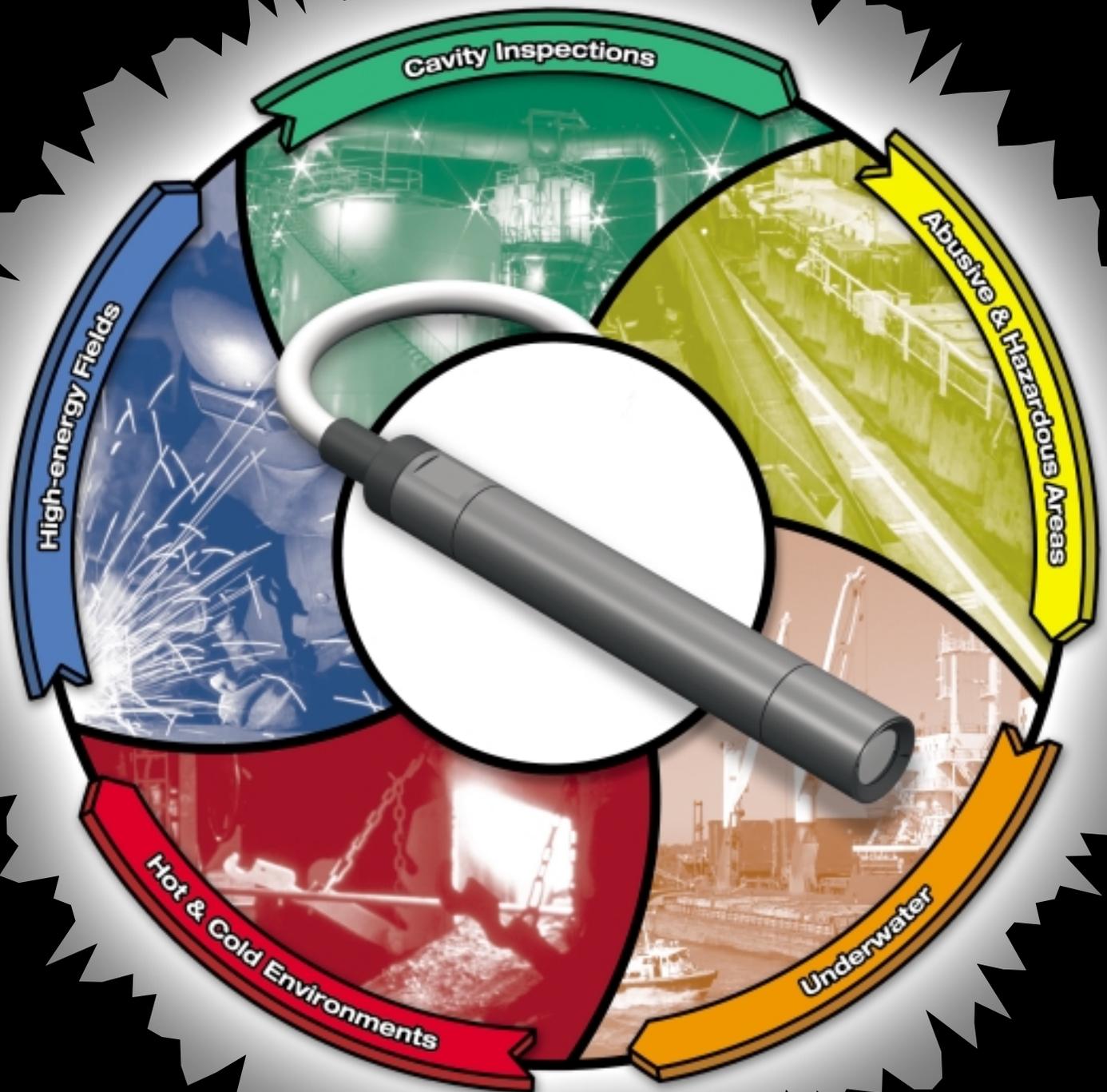
accessories and modifications for 7 mm microcameras from **IShot**

. . . with Specialized Accessories and Modifications From iShot Imaging.

Whatever you need to view, iShot Imaging can accessorize and modify your 7 mm remote-head microcamera to get the job done.

iShot Imaging custom cameras deployed around the world gather video from submerged, wet, hazardous, hot, and EMI-prone environments. They fit where stock cameras can't, and gather views from vantage points standard lens/camera combinations can't address. They view targets under a much broader range of ambient lighting conditions, and bring light with them when there is none.

Depicted here are just some of the possibilities . . .

Legend

☐ **Accessories** (user installed)

🟦 **Modifications: Body** (factory installed)

🟨 **Modifications: Cable** (factory installed)

🟩 **Modifications: Optical** (factory installed)

Fiberoptic Ring Light
14. w/ 3.5 or 15 m light guide   EM10362

Reticles: standard & custom patterns

Aperture Modification

Splashproof Housing
13. stainless & brass, 3/8" dia.   EM10362
    plastic, 3/8" dia.   EM11586
    Delrin, 3/8" dia.   EM11587
    nylon, 3/8" dia.   EM11588

90˚ Viewing Adapter
10. rotating roof prism   EM10060

Filters
11. holder for 1–3 filters   EM11432
12. polarizing filter   EM11437
    weld spatter shield   EM11442
    weld filter no. 8   EM11447
    weld filter no. 9   EM11452
    weld filter no. 10   EM11457
    weld filter no. 12   EM11462
    neutral density filter   EM11467
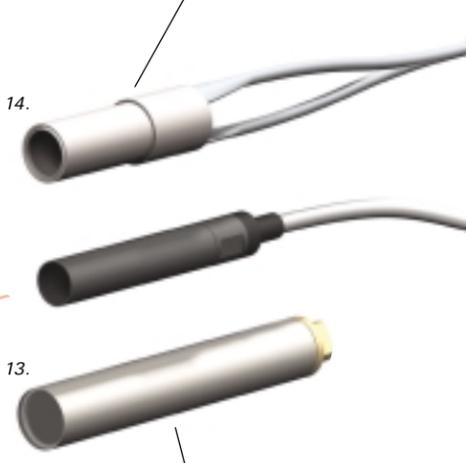   UV cut filter (for blacklight) EM11494

Specialty Lenses
6.   12.5 mm, 15.0˚ FOV   EM10053
7.   20.0 mm, 10.0˚ FOV   EM10055
8.   35.0 mm, 5.0˚ FOV   EM10056
9.   70.0 mm, 2.5˚ FOV   EM10058

Extension Tubes
1.   1/4" long   EM11489
2.   3/8" long   EM11490
3.   1/2" long   EM11491
4.   5/8" long   EM11492
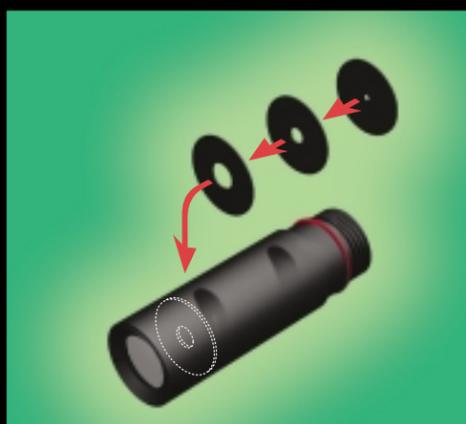5.   3/4" long   EM11493
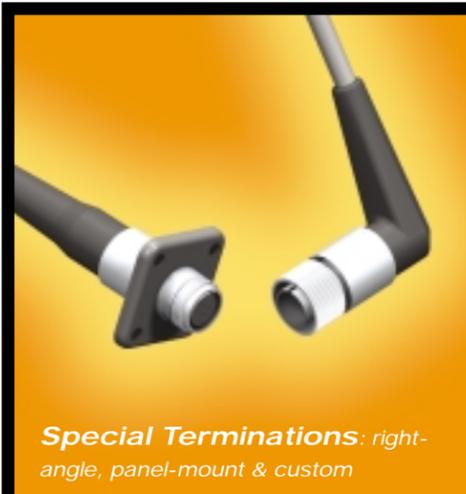
Off-angle Cable Exits

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Design and specifications subject to change without notice. 3/01

Special Terminations: right-angle, panel-mount & custom
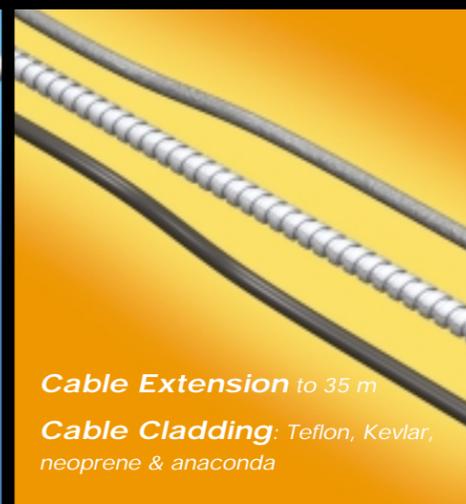
Auxiliary Control Leads

Angled Body Splices

Body Shortening by 3/8"

Waterproofing for submersion to 100'

Air Cooling for ambient temps to 400˚F

Cable Extension to 35 m

Cable Cladding: Teflon, Kevlar, neoprene & anaconda

Inline Connector: standard (shown) & waterproof, anywhere along cable

Solve Complex Applications with Sophisticated System Components.

iShot Imaging offers a series of system components designed for 7 mm microcameras. These components accomplish sophisticated tasks beyond the range of traditional camera accessories.

Shown here is a complete system designed to view moving or multiple targets in dark, wet areas. It lets a remote user pan, tilt, and focus the camera, as well as adjust illumination intensity.

In addition to the components shown, iShot Imaging offers a range of standard and custom components designed to adapt 7 mm microcameras to virtually any application. They accomplish fixturing, articulation, temperature sensing, infrared viewing, shock- and vibration-proofing, remote iris adjustment, and much more.
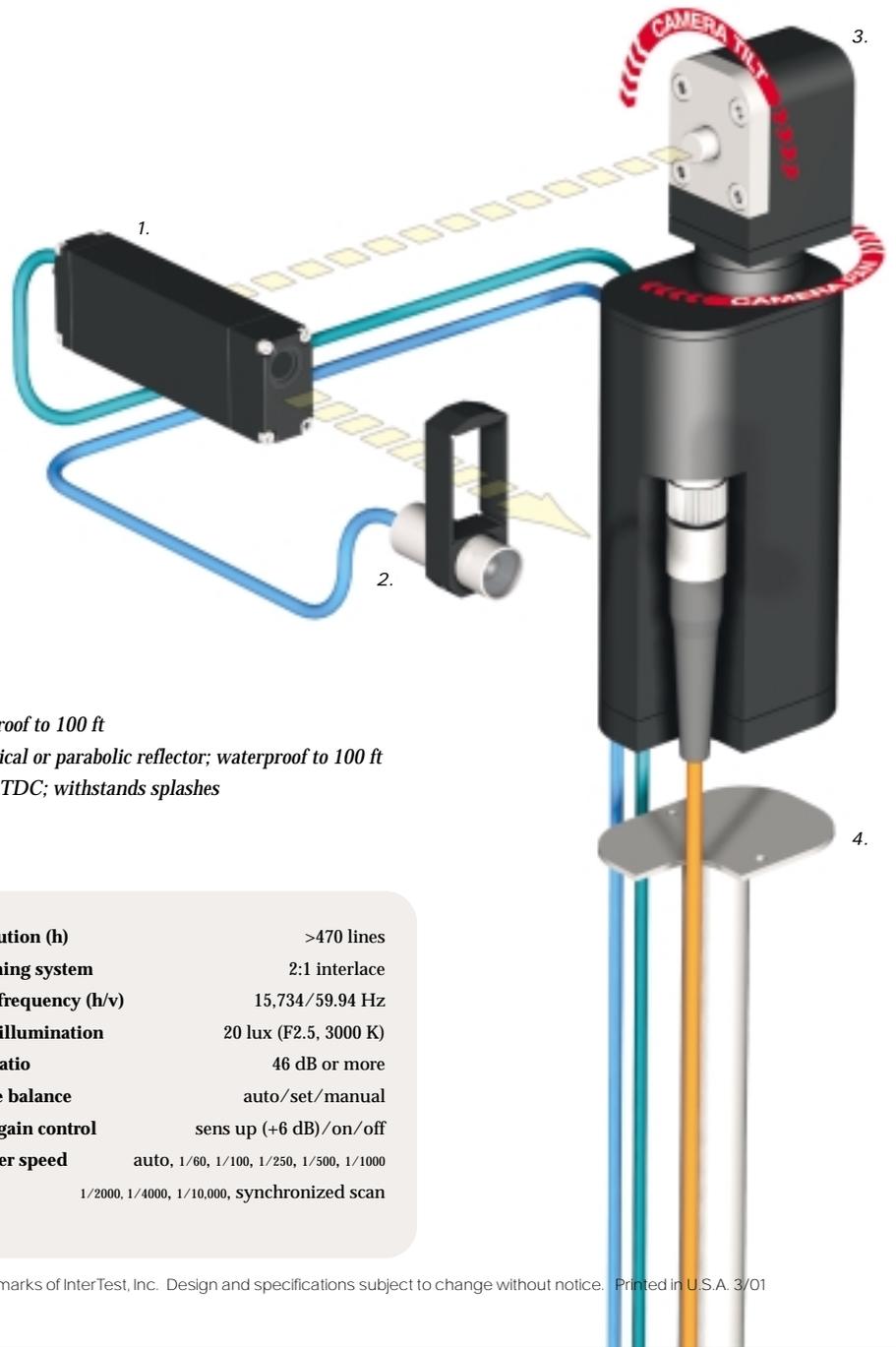
Sample System

1. **remote focus housing:** *focuses 3/8 in. to infinity; waterproof to 100 ft*
2. **auxiliary light pack:** *rated 6 watts; available with elliptical or parabolic reflector; waterproof to 100 ft*
3. **remote pan/tilt unit:** *pans 360 deg; tilts ±150 deg from TDC; withstands splashes*
4. **extension pedestal:** *with mounting flange or handgrip*

Standard 7 mm Microcamera Specifications

length	48 mm	resolution (h)	>470 lines
cable length	3.5 or 15 m	scanning system	2:1 interlace
weight	2.4 oz	scan frequency (h/v)	15,734/59.94 Hz
temperature/humidity tolerance	14–104˚F; <90%	min. illumination	20 lux (F2.5, 3000 K)
image sensor	¼" IT CCD	S/N ratio	46 dB or more
effective pixels (h/v)	768/494 pixels	white balance	auto/set/manual
effective image area (h/v)	3.65/2.74 mm	auto gain control	sens up (+6 dB)/on/off
		shutter speed	auto, 1/60, 1/100, 1/250, 1/500, 1/1000
			1/2000, 1/4000, 1/10,000, synchronized scan

regional representative: