

Nova Star Zoom Camera

Changing the Way You Inspect Pipelines

RS Technical Services adds the Nova Star to the family of Mainline color cameras. The Nova Star maintains the notable RS Technical Services reputation for innovative technology, utilizing high-resolution video, and total zoom capabilities. The Nova Star is compatible with all of the RS Technical transporters, including the TranSTAR for small lines, and the Steerable Storm Drain Tractor for large line inspections.



Operating Environment

The Nova Star is designed to operate in wet environments, such as sanitary sewers and storm drains, while mounted on tractor transporters or pull skids. The compact size of this camera makes it the ideal solution for the RS Technical Services crawler series TransStar transporter. In addition, it is capable of operating on up to 2,500' of double-armored, single conductor or multi-conductor cable.

Approval by an N.R.T.L. (Nationally Recognized Testing Laboratory) as "Labeled and Listed" is pending.

Features

- High-resolution video with total zoom capabilities of 40X: 10X optical and 4X digital. Zoom features include manual or continuous auto focus, manual or continuous auto iris and adjustable shutter speed for improved low light performance.
- Integrated pan and tilt head with built-in lighting.
- Camera head swing and rotation, lamp intensity and zoom features are remotely controlled and adjustable from the operating viewing station or at the cable reel.
- Return the camera head to the straight-ahead and centered position with the Home Function.
- Accessories include maintenance kit with replacement parts, durable foam lined storage and transportation case and operation and installation manuals.
- Available options include PAL format and an inclinometer function.

Note: See your distributor for other available options.



*Reliability
Satisfaction
Technology's Leading Edge*

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PERFORMANCE

Pipeline Size	6" - 30"
Recommended Maximum Pipe Length	2,500' (depending upon pipe condition)
CCD Sensor Sensitivity	2-lux nominal; minimum sensitivity is 0.2 lux adjusted for reduced shutter speed
Field Of View	70-degree diagonal
Resolution	460 TV lines horizontal

DESIGN INFORMATION

Camera	Color, zoom, pan and tilt head, 330-degree axle rotation, 270-degree lateral swing for a 360 degree viewing of lateral connections
Power	70-130 Volts DC from controller
Circuitry	Solid-state
Lens	Optical grade Sapphire camera lens cover
Camera Module Features	Backlight, freeze frame, auto/manual adjustable iris, focus
Zoom Module Features	10x Zoom f= 4.2 mm (f1.8 to f2.9) 4x zoom beyond the 10x optical for a total zoom capability of 40x.
CCD Image Sensor	1/3 type IT; Total of 379,000 pixels producing 1-volt video signal after transmission through up to 2,500' of double armored single conductor cable.
Lighting	54 High-intensity white LED lamps

PHYSICAL INFORMATION

Diameter	2.6" maximum
Length	17"
Weight	10 lbs.
Cable Capacity	up to 2,500' of double-armored, single conductor or multi-conductor cable
Material	Hard Black Anodized Aircraft Milspec 6061 aluminum

COMPATIBLE/OPTIONAL EQUIPMENT

- Additional camera lighting
- TransStar wheeled transporter
- Standard wheeled tractor transport vehicle
- Mainline crawler transporter
- Steerable Storm Drain Tractor
- 6"- 72"mainline pull skid set

Your Authorized Dealer is:

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