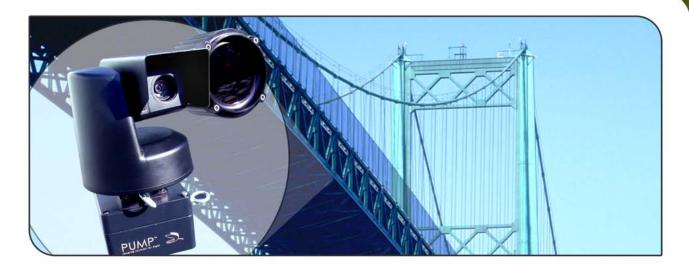
PUMP STATION™



Product Overview

RVision 's Pump Station Consists of the SEE™ all weather, day/night pan/ tilt/ zoom camera and the PUMP encoder. Together, providing network streaming, command, control and security in harsh environments where communication and power resources are challenged. The two are attached with a 'QuickDisconnect' mount and together provide the best clarity and image fidelity that can be streamed to a server or over a private network with MPEG 1 or 2.

Both the SEE™ and the PUMP™ are lightweight, compact, and low power. Well suited for both solar and wireless applications. Each unit is ready for integration with legacy CCTV systems and many video management software solutions. Pictured is the optional Halogen Illuminator, attached directly to the camera, for additional surveillance at night. For OEM customers, *RVision*™ offers engineering change revisions to best support client solutions.

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Key Features:

- Rugged and compact network camera system.
- MPEG1 or MPEG2 at 30 fps with a range of bandwidth from 200 to 15,000 kbps.
- · Latency 0.5 sec.
- Optional Wireless 802.11b supports Wi-Fi Applications.
- · Color/NIR video imaging modes.
- · 25X Optical / 12X Digital zoom
- 'Tough as nails' solid cast aluminum housing can withstand harsh environments.
- Image Stabilization is built in so vibration does not affect the streamed video.
- Compact and Lightweight compared to the competition.
- Hot Swappable means that there is no need to power the camera down to change it out
- QuickDisconnect lets you install, replace or maintain the camera in a fraction of the time of most cameras, with single key tool.
- Low Power makes SEE[™] suitable for solar power applications.
- Optional Hood protects lens from the elements.
- Pressurized **Nitrogen** eliminates fogging of the camera lens due to sudden changes in temperature.

SPECS

SEE

Day Apple Days	4400
Pan Angle Range	440° 240°
Tilt Angle Range	.5° to 80° /s
Pan Speed	.3° to 30° /s
Tilt Speed Pan/Tilt Encoder Resolution	.5 to 50 7s
Weight	.5 4.5 Ka
Housing Material	Cast Aluminum
Size	18 cm diameter
Size	20 cm tall
Power	11.5 to 30vdc
Fower	500 ma, 2A peak
Vibration	3grms 3axis
Vibration	Random
	5 to 1000 Hz
Temperature	-20° to 70° C
Mounting	QuickDisconnect™
Leveling	Mount Adjustment
Optical Zoom	25 x
Digital Zoom	12 x
Imaging Modes	Color/Near Infrared
TV Lines (NTSC/PAL)	470/460
PEL Count (NTSC/PAL)	680.000/800.000
Dynamic Range	49 dB
Light Sensitivity	.02 Lux NIR Mode
Low Light – Long Integration	yes25 s
AutoFocus	ves
Image Stabilization	yes
Rich Exposure Control	ves
Time Stamp/Titling in Video	yes
Command/Control:	J
Transport	RS232 or RS485
Protocol	Enhanced VISCA™
Detector Sensor Inputs	2, NO or NC
Opt. Infrared Camera Core	7-14µm, .05°C NETD
1	320 x 240
Opt. Illuminator	720nm, 50W, 4° Spot

PUMP

Composite 100 to 15,000 kbps
100 to 15,000 kbps
CIF (352x240)
30 fps
300 to 10,000 kbps
VGA (702x480)
29.5 fps
<.5 s + 'hops'
UDP/TCP/IP
2.0 Kg
Cast Aluminum
11 x 13 x 5 cm
11.5 to 30 vdc
800 mA
3grms 3axis
Random, 5-1000 Hz
-20° to 70° C
Embedded Linux
RTP/RTSP/none
100BaseTx
802.11b - Oronoco

