

Technical Specifications

Responder 1000™
In-Vehicle Video System
Revision Date 3-29-12



SONCELL NORTH AMERICA
A PUBLIC SAFETY COMPANY



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General Specifications	
Type	Compact In-Vehicle DVR Video System
Ambient Operating Temperature	+0° F to +140°F (+18° C to +60° C)
Audio	Dual channel; in-vehicle microphone and transmitter audio.
Controls	Located on the DVR and on the hand remote
Communications	DVR downloads to standard Windows® based computer via Office Dock with USB
Display	3.5" (8.89 cm) TFT color monitor
Features	Selectable. Information can be stored on 120 GB internal hard drive or to an optional 32GB SDHC card
Finish	Black scratch resistant powder coat finish on DVR, docking stations, and primary camera.
Frame	Durable lightweight aluminum
Humidity Range	8% to 90% relative humidity
Power	+12 VDC
Security	True time & date stamp
Standard Warranty	One (1) year parts & labor
Water Resistance	Meets International Robustness Standard IEC 529:1989 and European Community Standard EN60529 Classification IP50
Weight	2 lbs 4.7 oz (1.04 kg)

Camera	
Angle of View	5.4° - 50°
Image Sensor	1/3 type Super HAD CCC II
Lens	10X Optical Zoom 5.1mm (wide) to 51mm (tele)
Minimum Illumination	0.25 lux @ 1/60 second

Camera - cont.	
Model	Sony FCB-EX20D core
Record Indicator	Red LED on = recording
Resolution	530 TV lines
S/N Ratio	More than 50 dB
Standard	Auto exposure, Auto focus, Auto shutter, Auto gain

Camera - Mechanical	
Dimensions (W x H x D)	1-13/16" x 1-3/4" x 2-3/4" (45.9 mm x 43.1 mm x 67.2 mm)
Weight	0.5 lbs (140 g)

DVR	
Media	120 GB, 1.8" (4.57 cm) Hard Drive or 32 GB SD card
Monitor	3.5" (8.89 cm) diagonal, TFT color monitor
Pre-event	Optional 15 or 30 second pre-event record time
Record Format	MPEG 4, Microsoft ASF
Record Resolution	1024 x 960 at 30 frames-per-second (fps)
Record Capacity	96 hour record capacity (hard drive) or 20 hour record capacity (SD card)

DVR - Mechanical	
Dimensions	4.875" (H) x 7" (W) x 1.125" (D) (12.38 cm x 17.78 cm x 2.858 cm)
Weight	1.3 lbs (0.590 kg)

Docking Station - Mechanical	
Dimensions	6.375" (H) x 7.25" (W) x 2.125" (D) (16.19 cm x 18.42 cm x 5.398 cm)
Weight	1 lb (0.454 kg)



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Audio Pack Transmitter	
Battery	Internal Lithium-Ion. Fifteen (15) hours constant use before recharge. Batteries recharge in base station dock while still installed in audio pack. Optional office charger available.
Channels	95 channels with auto sync
Features	Automatic master/slave allows for two transmitters to be used at the same time.
Frequency	2.4 GHz ISM band
Microphone	Built-in. Includes 2.5 mm mic connector for optional lapel microphone
Range	1000 -1500 feet nominal (304.8 m - 457.2m)
Standard	Out of Range Warning, Low Battery Alert, In-Use LED

Audio Pack Transmitter - Mechanical	
Dimensions (W x H x D)	1.8" x 2.65" x 0.94" (4.6 cm x 6.75 cm x 2.4 cm)
Weight	3.4 oz (0.96 kg)

Base Station - Mechanical	
Dimensions (W x H x D)	2.75" x 3.0" x 3.125" (7.0 cm x 7.62 cm x 7.94 cm)
Weight	9.1 oz (0.26 kg)

