

We Call Our Video Borescopes "High-Performance Systems" for Several Good Reasons:

- They use our thinnest probes, with diameters as small as 3.9mm (0.15 in.). Even our thickest general-purpose high-performance probe, at 6mm across, is no thicker than a No. 2 pencil lead.
- The probes have superior optical specs, including close-focus and far-focus depths of field.
- Probe choices abound. Just pick the probe type (flexible-obedient or soft metal), probe diameter (3.9mm, 4.9mm, 5.5mm or 6m), probe length (1m to 30m) and viewing angle (front view, articulating or switchable front/side view) you need; one of our probes is sure to fill the bill.
- The borescopes themselves also come in several styles—for example, wired or wireless, and recording or non-recording. Whichever model you choose, your high-performance borescope will have passed a 60,000-cycle performance test, sport a color monitor, and come in a custom protective hard case.



DCS1700
(see pp.10, 11)

DCS1800
(see page 8)

DCS1800ART
(see page 9)

Probe Diameters (actual size)

●
3.9mm
(0.15 in.)

●
4.9mm
(0.19 in.)

●
5.5mm
(0.22 in.)

●
6mm
(0.24 in.)

	PRIMARY SYSTEM FEATURE(S)	Wireless recording		VGA recording, with VGA probe	
		Model No.	DCS1800	DCS1800ART	DCS1700
SYSTEM	System/Component Name	High-Performance Wireless Recording Video Borescope System	High-Performance Wireless Recording Video Borescope System with Articulating Probe	The VIPER 1700 Super High-Performance VGA Recording Video Borescope System	
	Display Size (diagonal)	3.5 in. (89mm)	3.5 in. (89mm)	3.5 in. (89mm)	
	Wireless Range	Up to 33 ft. (10m)	Up to 33 ft. (10m)	—	
	Records	Audio, video, still images	Audio, video, still images	Video, still images	
	Resolution (pixels)	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Display: 320 x 240 Probe & Recording: 640 x 480	
	Zoom Level (s)	1.5X	1.5X	1.5X, 2X	
	Operating Temperature	Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)	Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)	Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)	
	Memory (capacity of included SD card)	4GB	4GB	4GB	
	Power Source	Rechargeable Li-ion batteries	Rechargeable Li-ion batteries	(4) "AA" batteries	
	Certifications	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	
	Limited Warranty Term	1 year	1 year	1 year	
SUPPLIED PROBE	Diameter	5.5mm (0.22 in.)	6mm (0.23 in.)	5.5mm (0.22 in.)	
	Style	Flexible-Obedient	Articulating	Soft metal	
	Length	1m (3.3 ft.)	1m (3.3 ft.)	1m (3.3 ft.)	
	Field of View	60°	60°	60°	
	Depth of Field	0.25 to 12 in. (6.4 to 300mm)	0.25 to 12 in. (6.4 to 300mm)	0.25 to 12 in. (6.4 to 300mm)	
	Resistance to Water/Dust/Oil/Gas	IP67	IP67	IP67	
	Light Source	4 adjustable white LEDs	4 adjustable white LEDs	6 adjustable white LEDs: 4 front-facing, 2 side-facing	

*Enables existing DCS1800ART owners to add a Non Articulating Probe or the P16HPART VGA resolution

DCS16HPART
(see page 12)

DCS800
(see page 16)



DCS1600
(see page 12)

DCS1100
(see page 15)

DPS16
(see page 14)

	Utility recording			4.9mm switchable front/side view probe	Rugged VGA recording
	DCS1600	DCS16HPART	DPS16	DCS1100	DCS800
	High-Performance Recording Video Borescope System	High-Performance Recording Video Borescope System with VGA Resolution Articulating Probe	Pipe & Duct Recording Video Borescope Inspection System	High-Performance Video Borescope System	Rugged High-Performance VGA Recording Video Borescope System
	3.5 in. (89mm)	3.5 in. (89mm)	3.5 in. (89mm)	2.4 in. (61mm)	3.5 in. (89mm)
	—	—	—	—	—
	Video, still images	Video, still images	Video, still images	N/A	Video, still images
	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Video: 320 x 240 Still images: 640 x 480	Probe & Display: 320 x 240 Recording: 640 x 480
	2X Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)	2X Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)	2X Console: 32° to 140°F (0° to 60°C); Probe: 14° to 140°F (-10° to 60°C)	1.5X Console: 32° to 140°F (0° to 60°C); Probe: 32° to 131°F (0° to 55°C)	3X, 5X Console: 32° to 140°F (0° to 60°C); Probe: -4° to 140°F (-20° to 60°C)
	4GB	4GB	4GB	—	4GB
	Rechargeable Li-ion battery	Rechargeable Li-ion battery	Rechargeable Li-ion battery	4 "AA" batteries	4 "AA" batteries
	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS	CE, FCC, RoHS
	1 year	1 year	1 year	1 year	1 year
	5.5mm (0.22 in.)	6mm (0.23 in.)	28mm (1.1 in.)	4.9mm (0.19 in.)	5.5mm (0.22 in.)
	Flexible-Obedient	Articulating	Soft metal	Flexible-Obedient, Switchable Front/Side View	Flexible-Obedient
	1m (3.3 ft.)	1m (3.3 ft.)	22m (72 ft.)	1m (3.3 ft.)	1m (3.3 ft.)
	60°	60°	151°	67°	60°
	0.25 to 12 in. (6.4 to 300mm)	0.25 to 12 in. (6.4 to 300mm)	0.4 in. (10mm) to infinity	0.25 to 6 in. (6.4 to 150mm)	0.25 to 12 in. (6.4 to 300mm)
	IP67	IP67	IP68	IP57	IP67
	4 adjustable white LEDs	4 adjustable white LEDs	8 adjustable white LEDs	5 adjustable white LEDs: 3 front-facing, 2 side-facing	4 adjustable white LEDs

Probe Diameters (actual size)

●
3.9mm
(0.15 in.)

●
4.9mm
(0.19 in.)

●
5.5mm
(0.22 in.)

●
6mm
(0.24 in.)

HIGH-PERFORMANCE VIDEO SYSTEMS

Configuration Guide

TOLL FREE (800) 697-8665
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www.generaltools.com



DCS1800
High-Performance Wireless
Recording Video Borescope
System (see page 8)



DCS1800ART
High-Performance Wireless Recording
Video Borescope System with
Articulating Probe (see page 9)



DCS1700
The VIPER 1700 Super
High-Performance VGA
Recording Video
Borescope System
(see pp. 10, 11)



DCS1600
High-Performance Wireless
Recording Video Borescope
System (see page 12)

SYSTEM CONFIGURATION/PROBE COMPATIBILITY CHART

Probe Model No. (SKU)	PROBE DESCRIPTION				CONSOLES/PROBE CONTROLLER								
	Probe Description	Camera Head Diameter	Probe Length	Depth of Field	DCS1800-TR Wireless Probe Handle/ Controller	H16 Handheld Recording Console	H8 Rugged Compact VGA Recording Console	H17 Handheld VGA Recording Console					
SUPER HIGH-PERFORMANCE PROBE OPTIONS													
P16181HP	VGA Resolution Probes	5.5mm (0.22 in.)	1m (3.3 ft.)	0.25 to 12 in. (6.4 to 300mm)		✓							
P16182HP			2m (6.6 ft.)										
P16183HP			3m (9.8 ft.)										
P16HPART	VGA Resolution Articulating Probes	6.0mm (0.23 in.)	1m (3.3 ft.)										
P16HP2ART			2m (6.6 ft.)										
P16HP3ART			3m (9.8 ft.)										
HIGH-PERFORMANCE PROBE OPTIONS													
FLEXIBLE-OBEDIENT PROBE OPTIONS													
P16181SR-M	Flexible-Obedient Probes	5.5mm (0.22 in.)	1m (3.3 ft.)	0.25 to 12 in. (6.4 to 300mm)		✓							
P16182SR-M			2m (6.6 ft.)										
P16183SR-M			3m (9.8 ft.)										
SOFT METAL PROBE OPTIONS													
P16ART-1SM	Soft Metal Articulating Probes	6.0mm (0.23 in.)	1m (3.3 ft.)	0.25 to 12 in. (6.4 to 300mm)		✓							
P16ART-2SM			2m (6.6 ft.)										
P16ART-3SM			3m (9.8 ft.)										
P18ART-1SM			1m (3.3 ft.)										
P18ART-2SM			2m (6.6 ft.)										
P18ART-3SM			3m (9.8 ft.)										
P16181SM-M	Soft Metal Probes	5.5mm (0.22 in.)	1m (3.3 ft.)			✓							
P16183SM-M			3m (9.8 ft.)										
P16185SM-M			5m (16 ft.)										
P161810SM-M			10m (32 ft.)										
P161830SM-M			30m (98 ft.)										
RP1618	Reel Stand for 5m, 10m and 30m Soft Metal Probes	N/A					✓						
SPECIALTY PROBE OPTIONS													
P1839-M	Ultra-Slim Flexible-Obedient Probes	3.9mm (0.15 in.)	0.75m (2.5 ft.)	0.25 to 6 in. (6.4 to 150mm)		✓							
P16182-39			2m (6.6 ft.)										
P16183-39			3m (9.8 ft.)										
P1618FS-49	Switchable Front/Side View Flexible-Obedient Probes	4.9mm (0.19 in.)	1m (3.3 ft.)										
P16182-49			2m (6.6 ft.)										
P16183-49			3m (9.8 ft.)										
P16PIP	Pipe & Duct Inspection Probe & Reel Set	28mm (1.1 in.)	22m (72 ft.)	0.4 in. (10mm) to infinity									
ACCESSORIES													
HT1618	Telescoping Rigid Holding Tube for Articulating Probes	N/A				✓							
PM003	Set of 3 Mirrored Viewing Tips (70°, 90°, 110°) for all 5.5mm probes except the P16181HP, P16182HP and P16183HP												

*DCS1800-TR (see p. I-23) enables DCS1800ART owners to add a non-articulating probe or the P16HPART, P16HP2ART or P16HP3ART VGA Resolution Articulating Probe;

DCS1800-TR does not include the DCS1800 Receiving Console

N/A: Probe is not compatible



HIGH-PERFORMANCE VIDEO SYSTEMS

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DCS16HPART
High-Performance Recording Video Borescope System with VGA Resolution Articulating Probe (see page 13)



DCS1100
High-Performance Borescope System with 4.9mm Switchable Front/Side View Probe (see page 15)



DCS800
Rugged Compact High-Performance VGA Recording Video Borescope System (see page 16)

DPS16
Pipe & Duct Wireless Recording Video Borescope System (see page 14)



SYSTEM CONFIGURATION/PROBE COMPATIBILITY CHART

Probe Model No. (SKU)	HIGH-PERFORMANCE VIDEO BORESCOPE SYSTEMS							
	DCS1800 Wireless Recording Video Borescope System	DCS1800ART Wireless Recording Borescope System w/ Articulating Probe	DCS1700 The VIPER Super VGA Recording Video Borescope System	DCS1600 Recording Video Borescope System	DCS16HPART High-Performance Recording Video Borescope System with VGA Resolution Articulating Probe	DPS16 Pipe & Duct Recording Video Borescope System	DCS1100 Video Borescope System w/4.9mm Switchable Front/Side View Probe	DCS800 Rugged Compact VGA Recording Video Borescope System
SUPER HIGH-PERFORMANCE PROBE OPTIONS								
P16181HP			INCLUDED		✓			
P16182HP					✓			
P16183HP	✓	*	✓	✓	INCLUDED	✓	N/A	✓
P16HPART					✓			
P16HP2ART					✓			
P16HP3ART								
HIGH-PERFORMANCE PROBE OPTIONS								
FLEXIBLE-OBEDIENT PROBE OPTIONS								
P16181SR-M	INCLUDED	*	✓	INCLUDED	✓	✓	✓	INCLUDED
P16182SR-M	✓		✓	✓				✓
P16183SR-M								
SOFT METAL PROBE OPTIONS								
P16ART-15M			✓		✓		✓	✓
P16ART-25M	N/A	N/A						
P16ART-35M								
P18ART-15M		INCLUDED						
P18ART-25M	✓	✓	N/A		N/A		N/A	N/A
P18ART-35M								
P16181SM-M								
P16183SM-M		*	✓		✓		✓	✓
P16185SM-M	✓							
P161810SM-M								
P161830SM-M								
RP1618	✓	*	✓		✓		✓	✓
SPECIALTY PROBE OPTIONS								
P1839-M							✓	
P16182-39								
P16183-39	✓	*	✓		✓		INCLUDED	✓
P1618FS-49							✓	
P16182-49								
P16183-49								
P16PIP	✓		✓		✓	INCLUDED	N/A	✓
ACCESSORIES								
HT1618		✓	✓		✓		✓	✓
PM003	✓	*						