

**STATE OF MINNESOTA
PRICING PAGE
(Typed Responses Required)**

Price quote for:

Crawler Inspection Camera System

Vendor Name: **Titan Machinery Inc**
 Contact Person: **Andrew Bethel**
 Street Address: **6340 County Rd 101 E**
 P.O. Box:
 City, State, Zip: **Shakopee, MN 55379**
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Spec #	Information Requested	Answer
1.0	MAKE AND MODEL	RapidView IBAK P00002 Portable System
	<u>CRAWLER</u>	
	Number of drive wheels/tracks	4 wheels
	Number of drive motor(s)	2
	Drive mechanism (chain, belt, gear, etc.)	Gear
	Does drive mechanism have a clutch	No
	Internal pressure rating	IP 68, 14.0 PSI
	Pressurization method	Dry air
	Does crawler maintain pressure if camera is removed	No
	Over/under pressure indicator light	Yes and indicator on main control
	Can repressurization be accomplished in the field	Yes/Free
	Quantity, type & size of tracks/wheels included with base package	1 set of (4) each of 4", 6" and 8" diameter wheels
	Overlapping wheel design to prevent high centering	No
	Wheel/Track change tool requirement	Allen wrench
	Wheel/Track change time requirement	2 minutes
	Minimum pipe diameter	4" diameter
	Dimension-crawler only (LxHxW)	13.5" x 3.1" x 2.7"

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Spec #	Information Requested	Answer
	Overall length with camera attached	17.5"
	Weight of crawler	12 lbs.
	Overall weight crawler with camera attached	13.5 lbs.
	Material the crawler constructed from	Brass and stainless steel
	Cable connector type to crawler	KKD12 High strength mechanical locking connector
	Tools required to connect/disconnect crawler from cable	No
	Number of controls required to operate crawler	1 (All system functions from one controller)
	Direction crawler can operate (example: forward/neutral/reverse)	Full tank-style movement
	Is crawler steerable	Yes
	Does crawler have rear vision camera capability	Optional
	Inclinometer standard	Optional
	Power requirement (watts/amps/voltage)	100VAC to controller
	Is a Sonde device available	In camera head
<u>CAMERA</u>		
	Pan & tilt	Yes
	Pan and tilt control type	Joystick
	Home position control type	Button on joystick
	Pixels & lines of resolution	380,000 pixels, 570 TVL horizontal resolution
	Zoom (magnification optical & digital)	3x Digital
	Lux rating	0.1 Lux
	Construction material	Coated aluminum and stainless steel
	Lens type	Shock resistant glass
	Lens field of view (VxHxD)	plus or minus 150°
	Black & white or color	Color
	Lighting type	High intensity LED
	Type of lighting control	Touch Screen
	Field replaceable lights	Yes
	Focus (auto & manual)	Auto and Manual
	Connection type	High strength locking camera connector

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Spec #	Information Requested	Answer
	Dimensions (LxHxW)	4" x 2.4" diameter
	Camera weight	1 lb.
	Pressurization method	Dry air
	Internal pressure rating	IP68, 14.0 psi.
	Over/under pressure indicator light	On controller
	Does camera maintain pressure when removed from crawler	Yes
	Will camera connect to cable w/o crawler and be fully functional	Yes with optional adapter
	Maximum viewing angle for pan	plus or minus 240°
	Maximum viewing angle for tilt	360° continuous rotation
	Does Camera controller have "home" position function type	Yes
	Does camera have the ability to view 360 degrees	Yes (Continuous rotation)
	Field replaceable windshield on camera	Yes
<u>CABLE</u>		
	Cable length	656 ft.
	Cable diameter	.375"
	Break strength	2000 lb.
	Single or multi-conductor	Multi
	Repairable	Re-terminate at connector
<u>CABLE REEL</u>		
	Motorized (yes/no)	Yes
	Drive type	Electric motor
	Automatic pay-out, or pulled by crawler	Pulled by crawler
	Automatically payed-in	Rewind assist by motor
	Cable reel level wind system	Manual
	Drum emergency stop switch	Yes
	Resettable counter	Yes on controller
	Counter-mechanical or electronic	Electronic
	Forward/reverse engagement control type (manual or electronic)	Remote pendant controller (optional)
	Speed control type	Remote pendant controller (optional)
	Type of torque control	n/a
	Overheat sensor	n/a

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Spec #	Information Requested	Answer
	Cable reel capacity	656 ft.
	Portable	Yes
	Dimensions (LxHxW)	24" x 26" x 15.75"
	Power requirements	110VAC powered from controller
	<u>CENTRAL CONTROL UNIT</u>	
	Power requirements	110VAC
	Circuit protection type	Fused
	Video in/out	Yes, Digital Video Recording standard
	Type of text generator	Integrated, on board
	Keyboard	Integrated QWERTY keyboard
	Desktop camera control	Joystick
	Number of video text generators on-screen	5 pages, 10 keywords, 10 colors, highlight option
	Video display of footage, time and date	Yes (additionally; inclination and temperature)
	Warranty	1 year manufacturer's parts and labor
BASE UNIT PRICE:		\$ 66,618.00

AUGUST 2013

VENDOR NAME

Titan Machinery Inc

MAKE AND MODEL

RapidView IBAK P00002 Portable System

Spec #	Description	Qty	Price	Subtotal
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1.0 PRICE FOR BASE UNIT:

\$ 66,618.00	\$ -
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1.1 CRAWLER OPTIONS:

Use this section to offer crawler options. Number items starting with 1.11, 1.12, etc.
Use as many numbers as you need.

1.11	V0000228 Inclinator Unit(Requires Software)	\$ 3,062.00	\$ -
1.12	900600130 Inclometer Adjustment Tool	\$ 1,021.00	\$ -
1.13	905202521 Camera Connection Type 5 for T66	\$ 3,088.00	\$ -
1.14	905255021 Overturn Protection Kit	\$ 1,085.00	\$ -
1.15	904116031 Temperature Sensor for T66/76/86/PANORAMO/LISY	\$ 2,870.00	\$ -
1.16	V4011001 RETRUS Back-Eye Camera	\$ 5,102.00	\$ -
1.17	V9052005 Camera Tractor Height Attachment for T66	\$ 4,464.00	\$ -
1.17	905221031 Additional Weight Kit for T66	\$ 693.00	\$ -

1.20 WHEEL OPTIONS:

Use this section to offer wheel options. Number items starting with 1.21, 1.22, etc.
Use as many numbers as you need.

1.21	905210091 Treaded Wheel set 5" pipe for T66 Hard	\$ 607.00	\$ -
1.22	905210191 Treaded Wheel set 6" pipe for T66 Hard	\$ 830.00	\$ -
1.23	905210991 Treaded Wheel set 8" pipe for T66 Hard	\$ 1,134.00	\$ -
1.24	905212391 Treaded Wheel set 5" pipe for T66 Soft	\$ 607.00	\$ -
1.25	905212491 Treaded Wheel set 6" pipe for T66 Soft	\$ 830.00	\$ -
1.26	905212591 Treaded Wheel set 8" pipe for T66 Soft	\$ 1,134.00	\$ -
1.27	905210291 Granulated Wheel set for 5" pipe for T66	\$ 703.00	\$ -
1.28	905210591 Granulated Wheel set for 6" pipe for T66	\$ 863.00	\$ -
1.29	902202491 Wheel set 140-6, for 10" pipe and up	\$ 1,418.00	\$ -
1.29.1	Granulated Wheel set RAD110 for PVC	\$ 495.00	\$ -
1.29.2	900401491 Granulated Wheel set RAD120 for PVC (Requires 902202191)	\$ 479.00	\$ -
1.29.3	902202191 Wheelset Adapters T76 to T66	\$ 758.00	\$ -
1.29.4	HT0006 High-Traction Carbide Wheels for 6" Pipe	\$ 691.00	\$ -
1.29.5	T66/Panoramo 150 Pneumatic Wheels for Large Pipe with Adapters	\$ 1,293.00	\$ -

1.30 CAMERA OPTIONS:

Use this section to offer camera options. Number items starting with 1.31, 1.32, etc.
Use as many numbers as you need.

1.31	803250020 Manhole Camera Adapter	\$ 5,740.00	\$ -
1.32	EASYLOC CAM (512 Hz, 640 Hz and 33 kHz)	\$ 1,863.00	\$ -
			\$ -

1.40 LIGHTING OPTIONS:

Use this section to offer lighting options. Number items starting with 1.41, 1.42, etc.
Use as many numbers as you need.

1.41	V6021001 ZSW 65 Additional Lighthouse	\$ 3,859.00	\$ -
1.42			\$ -
1.43			\$ -

1.50 CONTROL CONSOLES:

Use this section to offer control console options. Number items starting with 1.51, 1.52, etc. Use as many numbers as you need.

1.51	V1972002 PC Module for BK 3.5	\$ 3,101.00	\$ -
1.52	703300040 Remote Control Pendant FB180	\$ 798.00	\$ -
1.53			\$ -

1.60 CABLE AND CABLE DRUM OPTIONS:

Spec #	Description	Qty	Price	Subtotal
Use this section to offer cable and cable drum options. Number items starting with 1.61, 1.62, etc. Use as many numbers as you need.				
1.61	900300130 KUV 3 Top Manhole Deflection Pully		\$ 1,244.00	\$ -
1.62	703300040 Remote Control Pendant FB180		\$ 798.00	\$ -
1.70 OTHER CRAWLER OPTIONS:				
Use this section to offer crawler options. Number items starting with 1.71, 1.72, etc. Use as many numbers as you need.				
1.71			\$	-
1.72			\$	-
1.73			\$	-
1.80 PERFORMANCE OPTIONS				
Use this section to offer performance & extended warranty options. Number items starting with 1.81, 1.82, etc. Use as many numbers as you need.				
1.81			\$	-
1.82			\$	-
1.83			\$	-
1.90 EXTENDED WARRANTY OPTIONS				
Use this section to offer performance/warranty options, number these items starting with 9.1, 9.2, 9.3, etc. (Specify years, miles or hours extended term covers.)				
1.91			Price: \$	
1.20 VENDOR OWNED RENTAL RETURN OR DEMO EQUIPMENT PROGRAM				
See Solicitation Special Terms and Conditions.				
DEDUCT cost per Used Hour from the original Contract Price				
2.0 DISCOUNT OFF LIST PRICE FOR RELATED PARTS AND ACCESSORIES (See Special Terms and Conditions)				
Price List Date and Number				
2.1 NEW EQUIPMENT RENTAL PROGRAM				
If rental programs are available on the new equipment offered, with the option to purchase, list the hourly/weekly/monthly rental rate. Indicate the percent of rental fee paid by the purchaser that will be applied to the purchase price. See Solicitation Special Terms & Conditions.				
Hourly Rental Rate: \$				
Weekly Rental Rate: \$				
Monthly Rental Rate: \$				
Percent (%) of Rental Fee applied to purchase price: %				
2.2 Delivery Starting Point (city, state, zip code)				
2.3	Price per loaded mile		Rochester, Indiana	\$1.50