HATHORN

INSPECTION CAMERAS

# CONTENTS

## Spec Sheets

M2 3

M7 5

M12 7

M18 9

Durascope™ Micron Camera Reels 11

Durascope™ Camera Reels 13

Durascope™ WiFi Camera Reels 15

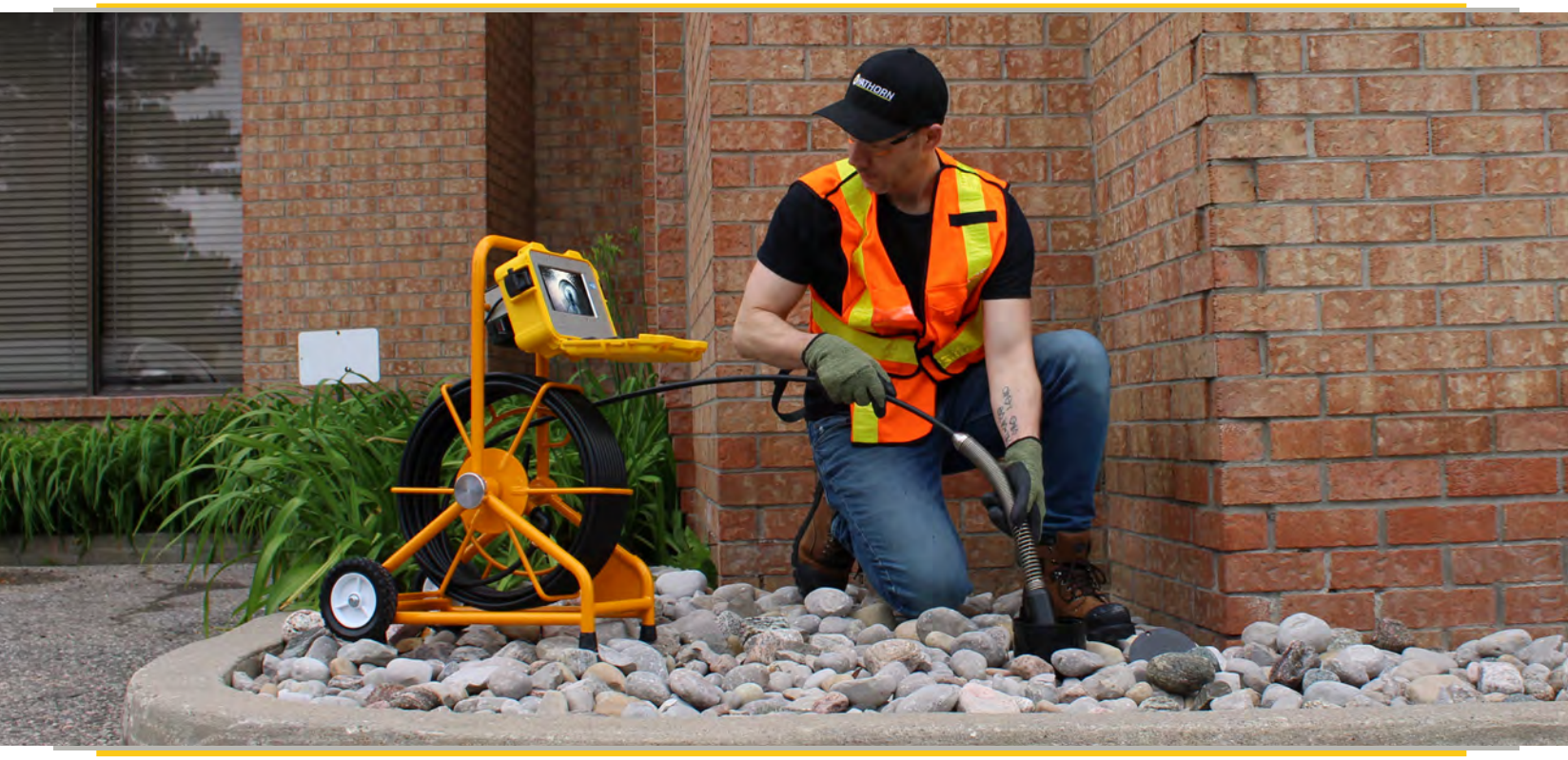
Keyhole Gas Line 17


## Accessories Catalog

19

# M2 INSPECTION CAMERA SYSTEM

Proudly designed and manufactured in North America
Powered by a Milwaukee™ 18V or compatible external battery



Wi-Fi Available

Hathorn M2 systems come standard with a 7.4" shatter resistant LCD monitor and are compatible with 18V Milwaukee™ batteries for ultimate portability and over 5 hours of runtime on a single charge. All M2s come equipped with 100ft. of premium cable and your choice of Straight-View **DuraCAM™** camera heads, all with cool running super bright LED lights. Trusted by plumbers and contractors all over North America to deliver rugged dependability and portability. Designed and manufactured in North America, with a full one-year warranty. The M2 offers a municipal grade product quality with an industry leading feature set.

## M2 FEATURES

- 7.4" Impact resistant screen
- External 18V battery compatibility
- 512hz sonde control
- Available with Wi-Fi **PipeSTREAM™** stream/record
- Straight view **DuraCAM™** camera heads

## *Upgrade to DuraCAM™!*

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# M2 INSPECTION CAMERA SYSTEM

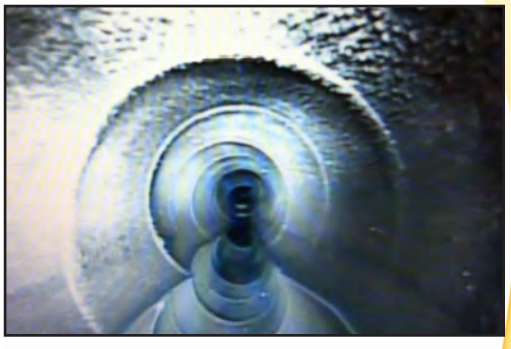
## Specifications

- **DuraCAM™** Straight-View camera heads with HD picture quality and auto-iris technology
- 1.23" - 12 cool running LEDs - 12k LUX @ 6"
- 1.43" - 16 cool running LEDs - 16k LUX @ 6"
- 1.68" - 20 cool running LEDs - 20k LUX @ 6"
- Choice of premium push-rod with HDPE jacket
- Sonde - 512 Hz High-power
- Operating Temperature – -30C to 60C (-22F to 140F)
- Ingress Protection of Reel & Camera Head – IPx5 to 60PSI
- Optional Wi-Fi **PipeSTREAM™** stream/record (App for Apple or Android)
- Powered by 18V Milwaukee™ or compatible batteries or 12V AC/DC adapter
- Cool running, high intensity LEDs for longer camera life
- Dimensions - 84cm x 48cm x 41cm / 33" x 19" x 16"
- Weight -16kg / 35lbs

| Catalog # | Camera Head | Self Leveling | Rod length | Rod Size | Min 90 Elbow | Max.Pipe well Lit |
|---|---|---|---|---|---|---|
| M2W-1168 | 1.68" | No | 100 ft. | 1/2" | 3" | 12" |
| M2-1168 | 1.68" | No | 100 ft. | 1/2" | 3" | 12" |
| M2W-1143 | 1.43" | No | 100 ft. | 0.400" | 3" | 10" |
| M2-1143 | 1.43" | No | 100 ft. | 0.400" | 3" | 10" |

## Accesories

| Catalog # | Description |
|---|---|
| 10108 / 10140 | regular skid for 1.68" / 1.43" |
| 10137 / 10123 | regular skid for 1.23" self leveling / 1.23" straight view |
| 10109 | 3" grooved skid for 1.68" cameras |
| 10160 | 3" grooved skid for 1.43" self leveling cameras |
| 10187 | P- trap skid for 1.43" cameras |
| 10162 / 10161 | roller skid for up to 12" pipe (1.68" / 1.43") |



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1 FULL YEAR WARRANTY

PROUD MEMBER NASSCO

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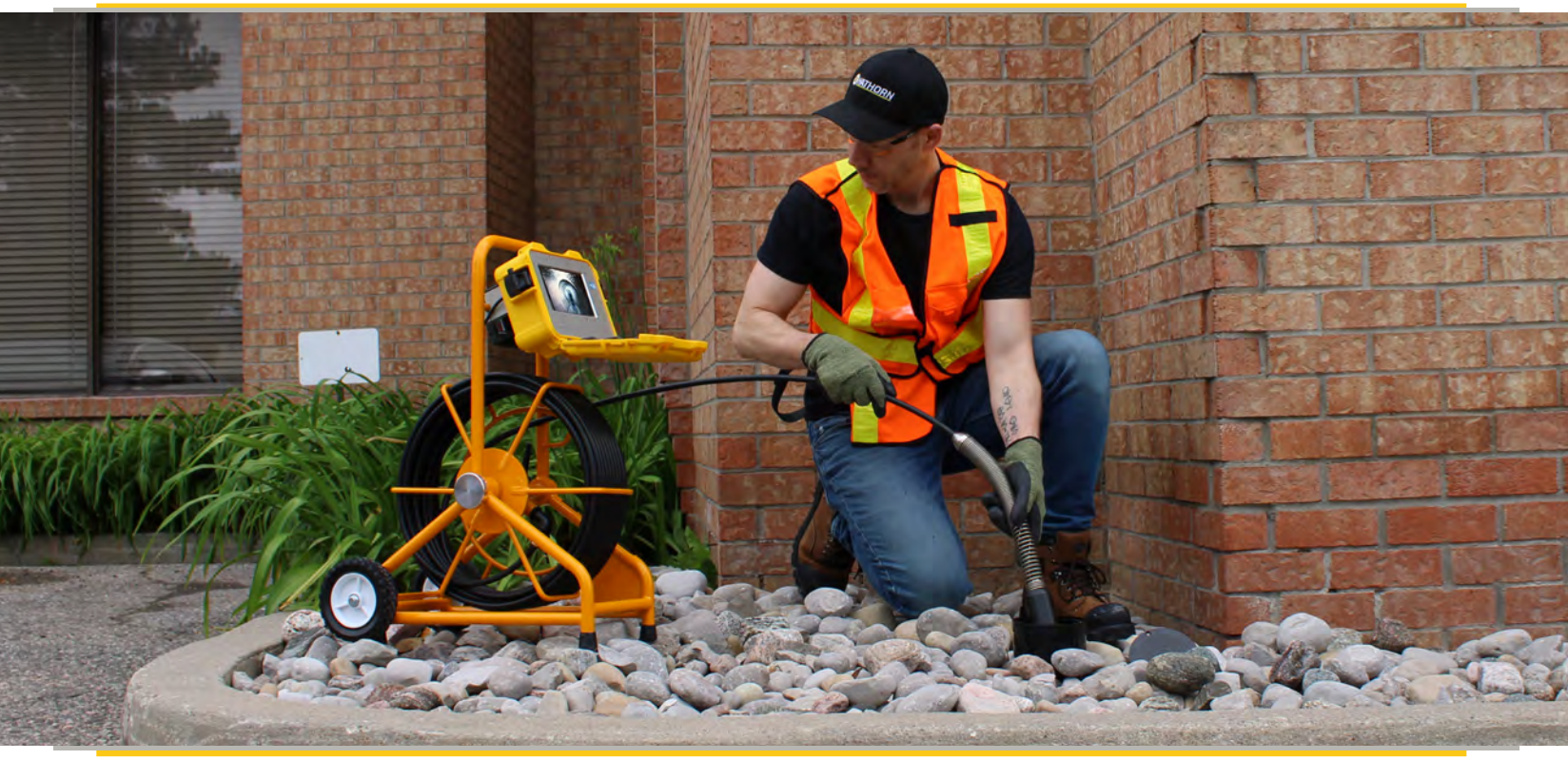
# M7 INSPECTION CAMERA SYSTEM

Proudly designed and manufactured in North America
Powered by a Milwaukee™ 18V or compatible external battery



Record to USB Drive

Wi-Fi Available

Hathorn M7 systems come standard with a 7.4" shatter resistant LCD monitor and are compatible with 18V Milwaukee™ batteries for ultimate portability and over 4 hours of runtime on a single charge. All M7s come equipped with 200ft. of premium cable and your choice of **DuraCAM™** camera heads, all with cool running super bright LED lights. Trusted by plumbers and contractors all over North America to deliver rugged dependability and portability. Designed and manufactured in North America, with a full one-year warranty. The M7 offers a municipal grade product quality with an industry leading feature set.

## M7 FEATURES

- 7.4" Impact resistant screen
- Self leveling camera heads standard
- Straight view camera heads available
- USB Recording
- One touch recording and video pause
- Adjustable camera lighting
- Onscreen footage counter
- External 18V battery compatibility
- 512hz sonde control
- Available with Wi-Fi **PipeSTREAM™** stream/record

## Upgrade to DuraCAM™!

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# M7 INSPECTION CAMERA SYSTEM

## Specifications

- **DuraCAM™** self leveling or straight view camera heads with HD picture quality and auto-iris technology
- 1.23" - 12 dimmable cool running LEDs - 12k LUX @ 6"
- 1.43" - 16 dimmable cool running LEDs - 16k LUX @ 6"
- 1.68" - 20 dimmable cool running LEDs - 20k LUX @ 6"
- Choice of premium push-rod with HDPE jacket
- Sonde - 512 Hz High-power
- Operating Temperature – -30C to 60C (-22F to 140F)
- Optional Wi-Fi **PipeSTREAM™** stream/record (App for Apple or Android)
- Powered by 18V Milwaukee™ or compatible batteries or 12V AC/DC adapter
- Ingress Protection of Reel & Camera Head – IPx5 to 60PSI
- Dimensions - 84cm x 48cm x 41cm / 33" x 19" x 16"
- Weight - 20kg / 45lbs

| Catalog # | Camera Head | Self Leveling | Rod Length | Rod Size | Min. 90° Elbow | Max. Pipe Well Lit |
|---|---|---|---|---|---|---|
| M7W-2168-SL / M7W-2168 | 1.68" | Avail. | 200ft. | 1/2" | 3" | 12" |
| M7-2168-SL / M7-2168 | 1.68" | Avail. | 200ft. | 1/2" | 3" | 12" |
| M7W-2143-SL / M7W-2143 | 1.43" | Avail. | 200ft. | 1/2" | 3" | 10" |
| M7-2143-SL / M7-2143 | 1.43" | Avail. | 200ft | 1/2" or 0.400" | 3" | 10" |
| M7W-2123-SL / M7W-2123 | 1.23" | Avail. | 200ft. | 3/8" | 2" | 6" |
| M7-2123-SL / M7-2123 | 1.23" | Avail. | 200ft. | 3/8" or 0.400" | 2" | 6" |

## Accessories

| Catalog # | Description |
|---|---|
| 10108 / 10140 | regular skid for 1.68" / 1.43" |
| 10137 / 10123 | regular skid for 1.23" self leveling / 1.23" straight view |
| 10109 | 3" grooved skid for 1.68" cameras |
| 10160 | 3" grooved skid for 1.43" self leveling cameras |
| 10187 | P- trap skid for 1.43" cameras |
| 10162 / 10161 | roller skid for up to 12" pipe (1.68" / 1.43") |

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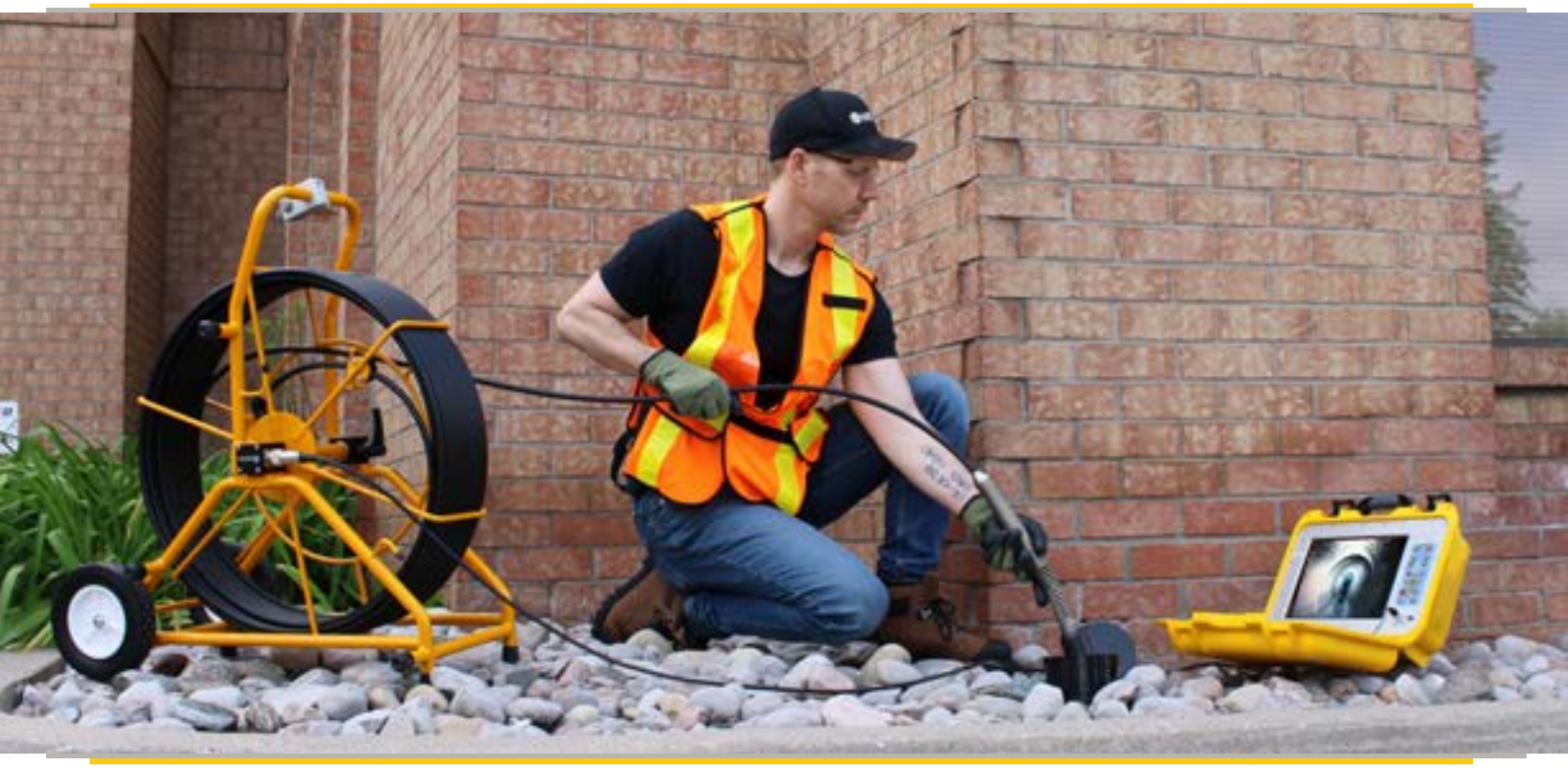
# H12i CONTROL MODULE

Proudly designed and manufactured in North America
Powered by an internal lithium battery



Record to USB Drive

Wi-Fi Available

Super Bright Daylight Readable

The Hathorn H12i Control Module is equipped with a 12.1" **VividHD** LCD screen with almost twice the brightness of the leading brand, making it the largest and best daylight readable monitor in the industry. The M12 is the pro's choice for any light condition (including direct sunshine), providing stunning HD picture quality, high contrast and 8X digital "pan & zoom" technology revealing details missed by other lateral push cameras. Whether you are working in brutal Canadian winters or hot Arizona summers it's time to...

## *Upgrade to VividHD!*

## *H12i FEATURES*

- 12.1" **VividHD** LCD screen that is daylight readable and impact resistant
- Internal 2 hour lithium battery
- One touch USB recording, video pause, and playback
- Available with Wi-Fi **PipeSTREAM™** stream/record
- Adjustable camera head lighting
- Component video/audio output
- 8 pages of on-screen text writing
- On-screen footage counter with reset
- Full sized keyboard
- 512hz sonde control
- Genuinely North American made

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# H12i CONTROL MODULE

## Specifications

- **VividHD** 12.1" LCD – Daylight readable, impact resistant, industry leading HD picture quality with up to 8X digital zoom
- Video Recording – MPEG4 – RCA out, USB or Wi-Fi **PipeSTREAM™** stream/record (App for Apple or Android)
- Lighting – Dimmable camera head lighting control
- Audio – Integrated microphone and speaker
- USB – 1 x 0.5A port USB 2.0
- Operating Temperature – -30C to 60C (-22F to 140F)
- Machined military grade aluminum connectors and face plate
- 12V AC/DC adapter or internal 2hr Li-Ion battery
- Dimensions - 40cm x 30cm x 18cm / 16" x 12" x 7"
- Weight - 6.5kg / 14lbs

| Catalog# | Reel Compatibility | Wi-Fi Streaming/ Recording | Digital Zoom | Power | Screen |
|---|---|---|---|---|---|
| H12i | All Hathorn except Wi-Fi reels. RIDGID reels without Tilt-Sense™ | No | 1X, 2X, 3X, 4X and 8X | 12V AC/ DC Adapter (included) or Internal 2hr. Li-Ion rechargeable | 1000cd/m2 (nits) |
| H12i-W | | Yes | | | |
| H12i-GS | All Hathorn except Wi-Fi reels. All GL, G2 and G3 General Wire reels, Gator Cams and Ratech. | No | | | |
| H12i-GS-W | | Yes | | | |

## Accessories

| Catalog # | Description |
|---|---|
| 10100 | For connecting H12i controllers to all Hathorn Micron, Mini, Mid and Large Reels |
| 80124 | Patch Cable from Hathorn Controller to GL Reel and Ratech* |
| 80129 | Patch Cable from Hathorn Controller to G3 Reel* |
| 80130 | Patch Cable from Hathorn Controller (Silver / Silver Connectors) to G2 Reel* |
| 80131 | Patch Cable from Hathorn Controller (Black / Silver Connectors) to G2 Reel* |

*Available while supplies last

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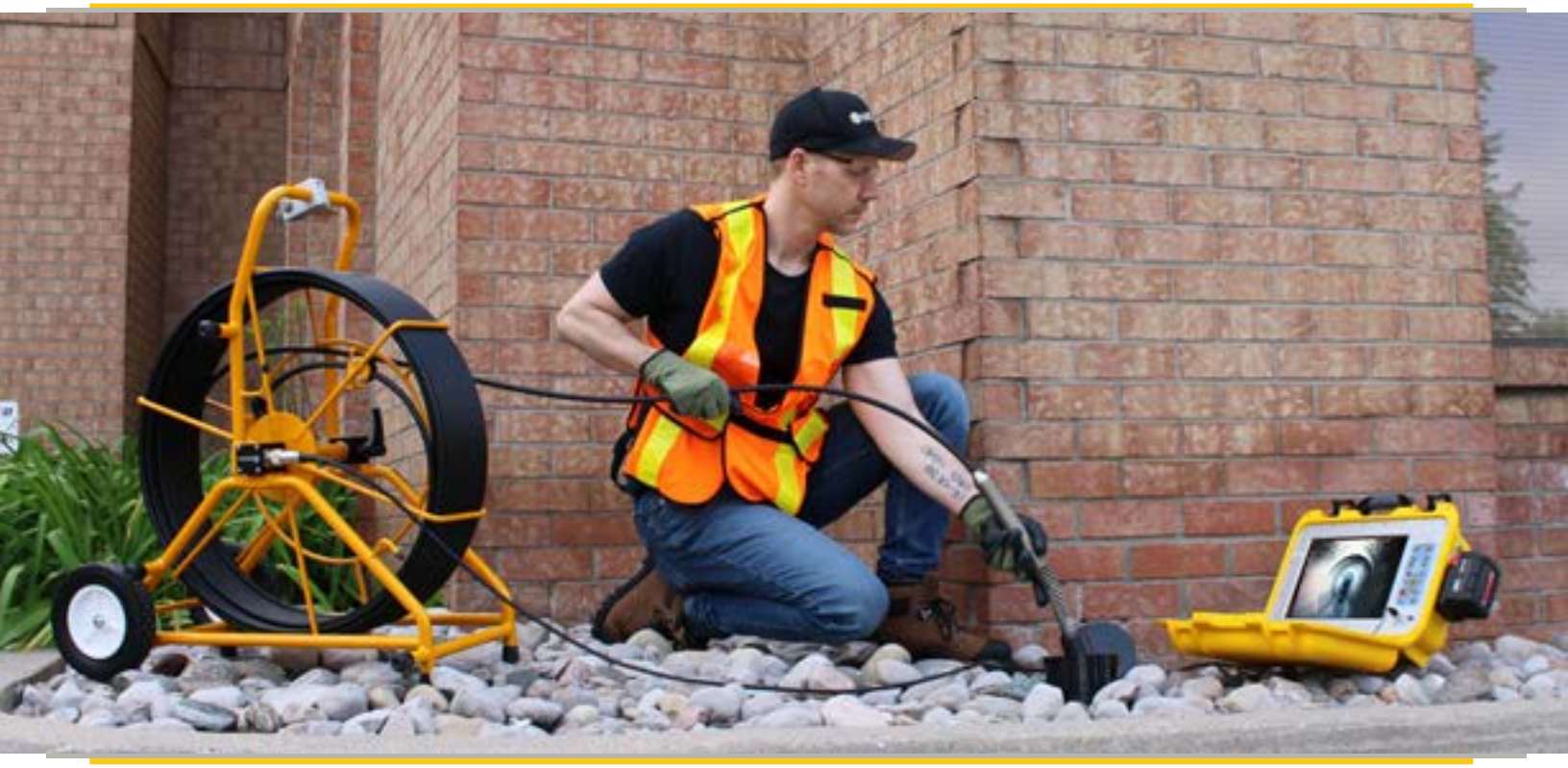
# H12 CONTROL MODULE

Proudly designed and manufactured in North America
Compatible with Milwaukee™ 18V or equivalent batteries



Record to USB Drive

Wi-Fi Available

Super Bright Daylight Readable

The Hathorn H12 Control Module is equipped with a 12.1" **VividHD** LCD screen with almost twice the brightness of the leading brand, making it the largest and best daylight readable monitor in the industry. The M18 is the pro's choice for any light condition (including direct sunshine), providing stunning HD picture quality, high contrast and 8X digital "pan & zoom" technology revealing details missed by other lateral push cameras. Whether you are working in brutal Canadian winters or hot Arizona summers it's time to...

## *Upgrade to VividHD!*

## *H12 FEATURES*

- 12.1" **VividHD** LCD screen that is daylight readable and impact resistant
- Compatible with Milwaukee™ 18V or equivalent batteries for portability and extended run time
- One touch USB recording, video pause, and playback
- Available with Wi-Fi **PipeSTREAM™** stream/record
- Adjustable camera head lighting
- Component video/audio output
- 8 pages of on-screen text writing
- Onscreen footage counter with reset
- Full sized keyboard
- 512hz sonde control
- Genuinely North American made

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# H12 CONTROL MODULE

## Specifications

- **VividHD** 12.1" LCD – Daylight readable, impact resistant, industry leading HD picture quality with up to 8X digital zoom
- Video Recording – MPEG4 – RCA out, USB or Wi-Fi **PipeSTREAM™** stream/record (App for Apple or Android)
- Lighting – Dimmable camera head lighting control
- Audio – Integrated microphone and speaker
- USB – 1 x 0.5A port USB 2.0
- Operating Temperature – -30C to 60C (-22F to 140F)
- Machined military grade aluminum connectors and face plate
- Power Source – 12V AC/DC adapter or external 18V battery (not included)
- Dimensions - 40cm x 30cm x 18cm / 16" x 12" x 7"
- Weight - 6.5kg / 14lbs

| Catalog# | Reel Compatibility | Wi-Fi Streaming/ Recording | Digital Zoom | Power | Screen |
|---|---|---|---|---|---|
| H12 | All Hathorn except Wi-Fi reels. RIDGID reels without Tilt-Sense™ | No | 1X, 2X, 3X, 4X and 8X | 12 VAC/DC Adapter (included) or External Milwaukee 18V Compatible - Battery Sold Separately | 1000cd/m2 (nits) |
| H12-W | | Yes | | | |
| H12-GS | All Hathorn except Wi-Fi reels. All GL, G2 and G3 General Wire reels, Gator Cams and Ratech. - | No | | | |
| H12-GS-W | | Yes | | | |

## Accesories

| Catalog # | Description |
|---|---|
| 10100 | For connecting H12 controllers to all Hathorn Micron, Mini, Mid and Large Reels |
| 80124 | Patch Cable from Hathorn Controller to GL Reel and Ratech* |
| 80129 | Patch Cable from Hathorn Controller to G3 Reel* |
| 80130 | Patch Cable from Hathorn Controller (Silver / Silver Connectors) to G2 Reel* |
| 80131 | Patch Cable from Hathorn Controller (Black / Silver Connectors) to G2 Reel* |

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# DuraSCOPE™
## MICRON CAMERA REELS

Proudly Designed and Manufactured in North America

## Upgrade to DuraSCOPE™!

Micron **DuraSCOPE™** camera reels can be used with any Hathorn control module or used with your own mobile Apple/Android device, if you choose the Wi-Fi **PipeSTREAM™** stream/record option. The Wi-Fi option is a standalone camera system that allows live streaming and recording to up to four devices at the same time.

**DuraSCOPE™** Micron reels are trusted by plumbers, general contractors, and home inspectors to deliver high definition, recordable video inspections. These municipal grade reels offer butt-welded steel frame construction and premium 1/4" cable allowing you to push further in a small diameter pipe. Hathorn **DuraSCOPE™** reels come equipped with your choice of **DuraCAM™** 1" or 7/8" straight view camera heads, allowing you to inspect pipes from 1" to 4" with ease. **DuraCAM™** heads are also equipped with super bright, cool running LEDs for optimal HD picture quality.

Micron reels are only 16" tall and weigh under 16 lbs. The Wi-Fi option is powered by an external Milwaukee™18V or compatible battery, which can last up to 6 hours. These features give Micron reels the ultimate in portability and allow you to stay in the field longer.

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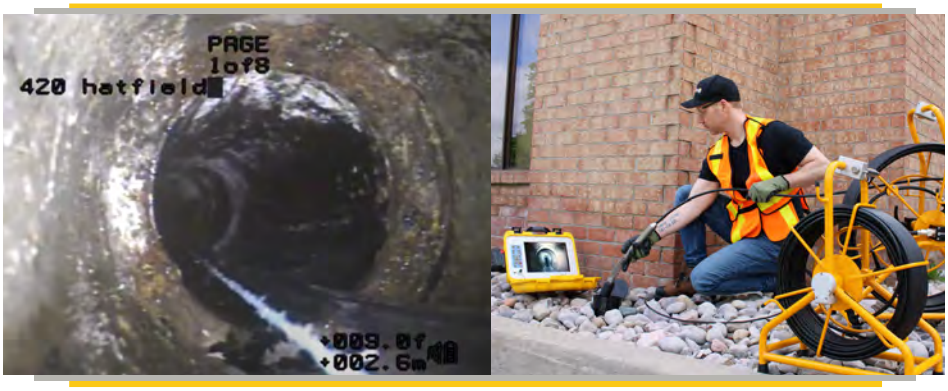
# DuraSCOPE™
## MICRON CAMERA REELS




Micron Camera Reel used with an M18 Command Module.

## WI-FI OPTION SPECIFICATIONS

- Compatibility – Wi-Fi **PipeSTREAM™** stream/record (App for Apple or Android)
- Power – 18V Milwaukee™ battery or equivalent or included AC/DC adapter
- Camera Heads - **DuraCAM™** straight view camera heads with HD picture quality and auto-iris technology
- Non-Dimmable Lighting – 8 super bright cool running LEDs for long camera life ~8,000 LUX at 6”
- Push Rod – with premium 1/4” rod with HDPE jacket
- Sonde - 512 Hz High-power sonde
- Operating Temperature – -30C to 60C (-22F to 140F)
- Ingress Protection of Reel & Camera Head – IPx5 to 60PSI

## NON-WI-FI OPTION SPECIFICATIONS

- Compatibility – All Hathorn M10, M12 & M18 controllers
- Power – Powered using Hathorn control module
- Camera Heads - **DuraCAM™** straight view camera heads with HD picture quality and auto-iris technology
- Dimmable Lighting – 8 super bright cool running LEDs for long camera life ~8,000 LUX at 6”
- Push Rod – with premium 1/4” rod with HDPE jacket
- Sonde - 512 Hz High-power sonde
- Operating Temperature – -30C to 60C (-22F to 140F)
- Ingress Protection of Reel & Camera Head – IPx5 to 60PSI

| | Catalog # | Wi-Fi | Camera Head | Self Leveling | Rod Length | Rod Size | Min 90° Elbow | Max. Pipe Well Lit | LBS. | Dimensions |
|---|---|---|---|---|---|---|---|---|---|---|
| Micron | MC-1100 | No | 1” | No | 100ft. | 1/4” | 1.5” | 4” | 15lbs | 16”x12”x10” |
| | MC-1078 | No | 7/8” | No | 100ft. | 1/4” | 1.5” | 4” | | |
| | WMC-1100 | Yes | 1” | No | 100ft. | 1/4” | 1.5” | 4” | 16lbs | |
| | WMC-1078 | Yes | 7/8” | No | 100ft. | 1/4” | 1.5” | 4” | | |

* Camera head skids are included and always recommended to protect camera heads. Find these accessories and spare parts at our website - www.hathorncorp.com

Wi-Fi App available at:

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# DuraSCOPE™
## CAMERA REELS

Proudly Designed and Manufactured in North America

## Upgrade to DuraSCOPE™!

Hathorn **DuraSCOPE™** camera reels are designed to work with any Hathorn control module, past, present or future. These municipal grade camera reels come fitted with your choice of **DuraCAM™** self-leveling or straight view camera heads all equipped with super bright cool running LEDs for optimal HD picture quality. Butt welded steel frame construction, stainless steel camera heads and your choice of cable size allow you to push further than ever before and remain in the field longer with Hathorn's legendary reliability. Hathorn **DuraSCOPE™** camera reels are trusted by plumbers, municipalities, general contractors, home inspectors, petrochemical companies, and mining engineers to deliver a high definition, recordable video inspection every time the camera is used.

### *Features*

- Compatible with all Hathorn control modules
- Self-Leveling camera heads standard
- Straight View camera heads available
- Footage counter equipped
- 512hz sonde
- Industry leading HDPE premium cables

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# DuraSCOPE™
## CAMERA REELS

### SPECIFICATIONS

- Compatibility – All Hathorn M10, M12 & M18 controllers
- Powered using Hathorn control modules
- DuraCAM™ self leveling or straight view camera heads with HD picture quality and auto-iris technology
- 1.00" - 8 dimmable cool running LEDs - 8k LUX @ 6"
- 1.23" - 12 dimmable cool running LEDs - 12k LUX @ 6"
- 1.43" - 16 dimmable cool running LEDs - 16k LUX @ 6"
- 1.68" - 20 dimmable cool running LEDs - 20k LUX @ 6"
- Choice of premium push-rod with HDPE jacket
- Sonde - 512 Hz High-power
- Operating Temperature – -30C to 60C (-22F to 140F)
- Ingress Protection of Reel & Camera Head – IPx5 to 60PSI

| | Catalog# | Camera Head | Self Leveling | Rod Length | Rod Size | Min 90° Elbow | Max. Pipe Well Lit | LBS. | Dimensions |
|---|---|---|---|---|---|---|---|---|---|
| Extra Large | XLR-5568 / XLR-5568-SL | 1.68" | Avail | 500ft. | 5/8" | 3" | 12" | 90lbs. | 33"x19"x16" |
| | XLR-5168 / XLR-5168-SL | 1.68" | Avail | 500ft | 1/2" | 3" | 12" | 75lbs. | |
| Large | LR-4168-SL / LR-4168 | 1.68" | Avail. | 400ft. | 1/2" | 3" | 12" | 65lbs. | 33"x19"x16" |
| | LR-3168-SL / LR-3168 | 1.68" | Avail. | 300ft. | 1/2" | 3" | 12" | 55lbs. | |
| | LR-2168-SL / LR-2168 | 1.68" | Avail. | 200ft. | 1/2" | 3" | 12" | 45lbs. | |
| | LR-4143-SL / LR-4143 | 1.43" | Avail. | 400.ft | 1/2" | 3" | 10" | 65lbs. | |
| | LR-3143-SL / LR-3143 | 1.43" | Avail. | 300.ft | 1/2" | 3" | 10" | 55lbs. | |
| | LR-2143-SL / LR-2143 | 1.43" | Avail. | 200.ft | 1/2" | 3" | 10" | 45lbs. | |
| Mid | MR-2168-SL / MR-2168 | 1.68" | Avail. | 200ft. | 1/2" | 3" | 12" | 42lbs. | 29"x18"x15" |
| | MR-2143-SL / MR-2143 | 1.43" | Avail. | 200ft | 0.400" | 3" | 10" | | |
| | MR-2123-SL / MR-2123 | 1.23" | Avail. | 200ft. | 0.400" | 2" | 6" | | |
| Mini | MN-2135 | 1.35" | No | 200ft. | 3/8" | 1.5" | 6" | 33lbs. | 24"x18"x10" |
| | MN-2123-SL / MN-2123 | 1.23" | Avail. | 200ft. | 3/8" | 2" | 6" | | |
| | MN-2100 | 1" | No | 200ft. | 3/8" | 1.5" | 4" | | |

* Skids are always recommended to protect camera head. Roller skids are recommended options for pipes larger than 8"
Find these accessories and spare parts at our website - www.hathorncorp.com

Wi-Fi App available at:

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1 FULL YEAR WARRANTY

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# DuraSCOPE™
## WIFI CAMERA REELS

Proudly Designed and Manufactured in North America

## Upgrade to DuraSCOPE™!

Hathorn Wi-Fi **DuraSCOPE™** reels are designed to work with Wi-Fi **PipeSTREAM™** stream/record, using an app for Apple or Android. Stream video inspections directly to your mobile device; record, screen shot, make voice commentary and share video inspections seamlessly. All of these municipal grade Wi-Fi reels are compatible with 18V Milwaukee™ or equivalent batteries for the ultimate in portability. Each reel is fitted with your choice of **DuraCAM™** self-leveling or straight view camera heads, all equipped with super bright cool running LEDs, for optimal HD picture quality. Butt welded steel frame construction, stainless steel camera heads, your choice of cable size, and Hathorn's legendary reliability allow you to push further than ever before and remain in the field longer. Hathorn Wi-Fi **DuraSCOPE™** camera reels are trusted by plumbers, municipalities, general contractors, home inspectors, petrochemical companies, and mining engineers to deliver a high definition, recordable video inspection every time the camera is used.

### *Features*

- Wi-Fi **PipeSTREAM™** stream/record
- Self-Leveling camera heads standard
- Straight View camera heads available
- On-screen footage counter
- 512hz sonde control and reset
- External 18V battery compatibility
- Industry leading HDPE premium cables

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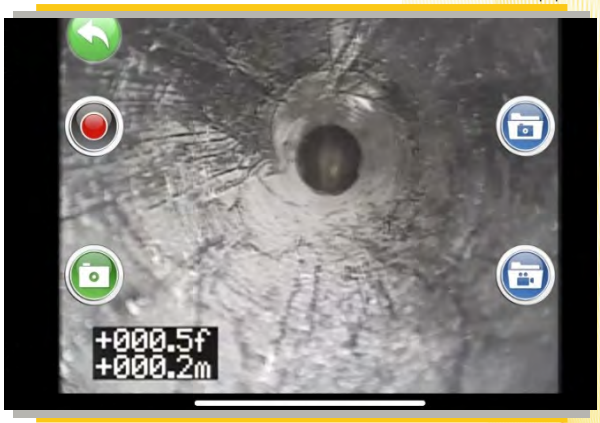
# DuraSCOPE™
## WI-FI CAMERA REELS

### SPECIFICATIONS

- Compatibility – Wi-Fi **PipeSTREAM™** stream/record, an app for all Apple or Android portable devices
- Powered by external Milwaukee™ or comp.18V batteries.
- **DuraCAM™** self-leveling or straight view camera heads with HD picture quality and auto-iris technology
- 1.00" - 8 cool running LEDs - 8k LUX @ 6"
- 1.23" - 12 cool running LEDs - 12k LUX @ 6"
- 1.43" - 16 cool running LEDs - 16k LUX @ 6"
- 1.68" - 20 cool running LEDs - 20k LUX @ 6"
- Choice of premium push-rod with HDPE jacket
- Sonde - 512 Hz High-power
- Operating Temperature – -30C to 60C (-22F to 140F)
- Ingress Protection of Reel & Camera Head – IPx5 to 60PSI

Actual screen shot taken on an iPad from a mini camera in a 3" pipe.




| | Catalog# | Camera Head | Self Leveling | Rod Length | Rod Size | Min 90° Elbow | Max. Pipe Well Lit | LBS. | Dimensions |
|---|---|---|---|---|---|---|---|---|---|
| Large | WLR-4168-SL / WLR-4168 | 1.68" | Avail. | 400ft. | 1/2" | 3" | 12" | 65lbs. | 33"x19"x16" |
| | WLR-3168-SL / WLR-3168 | 1.68" | Avail. | 300ft. | 1/2" | 3" | 12" | 55lbs. | |
| | WLR-2168-SL / WLR-2168 | 1.68" | Avail. | 200ft. | 1/2" | 3" | 12" | 45lbs. | |
| | WLR-4143-SL / WLR-4143 | 1.43" | Avail. | 400.ft | 1/2" | 3" | 10" | 65lbs. | |
| | WLR-3143-SL / WLR-3143 | 1.43" | Avail. | 300.ft | 1/2" | 3" | 10" | 55lbs. | |
| | WLR-2143-SL / WLR-2143 | 1.43" | Avail. | 200.ft | 1/2" | 3" | 10" | 45lbs. | |
| Mid | WMR-2168-SL / WMR-2168 | 1.68" | Avail. | 200ft. | 1/2" | 3" | 12" | 42lbs. | 29"x18"x15" |
| | WMR-2143-SL / WMR-2143 | 1.43" | Avail. | 200.ft | 0.400" | 3" | 10" | | |
| | WMR-2123-SL / WMR-2123 | 1.23" | Avail. | 200ft. | 0.400" | 2" | 6" | | |
| Mini | WMN-2135 | 1.35" | No | 200ft. | 3/8" | 1.5" | 6" | 33lbs. | 24"x18"x10" |
| | WMN-2123-SL / WMN-2123 | 1.23" | Avail. | 200ft. | 3/8" | 2" | 6" | | |
| | WMN-2100 | 1" | No | 200ft. | 3/8" | 1.5" | 4" | | |

* Camera head skids are included and always recommended to protect camera heads. Roller skids are recommended options for pipes larger than 8". Find these accessories and spare parts at our website - www.hathorncorp.com

WiFi App available at:

GET IT ON Google Play

Download on the App Store

1 FULL YEAR WARRANTY

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# KEYHOLE GAS LINE

## CAMERA SYSTEM

Proudly North American designed and built
Designed for use with Keyhole Pipe Entry systems

with VividHD

240GB SSD

Super Bright Daylight Readable

Record to USB Drive

Hathorn's gas camera system was specially developed in partnership with the Gas Technology Institute in Chicago. The system and specialty camera head were designed to provide America's utilities a way to inspect live gas mains through 90 degree keyhole pipe entries using stuffing boxes and traditional gas line insertion tools. Though not rated as intrinsically safe or explosion proof, Hathorn's gas cameras have been the go-to camera in the industry for over a decade providing users the ability to inspect 2-6" gas mains while recording inspections to USB or HDD. The 12.1" monitor is the pro's choice for any light condition (including direct sunshine), providing stunning HD picture quality, high contrast and 8X digital "pan & zoom" technology revealing details otherwise missed by other gas cameras. Whether you are working in brutal Canadian winters or hot Arizona summers it's time to...

## *Upgrade to VividHD!*

## FEATURES

- 12.1" ***VividHD*** daylight readable monitor
- Record to USB or internal 240GB SSD
- Transfer data via USB cable to computer
- Built-in microphone and speaker
- Play, pause, record and 8x zoom
- MPEG4 recording files
- 8 pages of text writing with memory saves
- On-screen footage counter
- Adjustable lighting controls
- 512Hz Sonde
- Internal Li-Ion 4hr battery with built-in charger
- 1.35" straight view gas camera head for use on 2"elbows & saddle joints, in up to 6" pipes

HATHORN

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International: +1-905-604-7040
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# KEYHOLE GAS LINE

## CAMERA SYSTEM

## Specifications

- VividHD 12.1" LCD – Industry leading HD picture quality with up to 8X digital zoom, impact resistant, with industry leading brightness
- Lighting – 12 dimmable cool running LEDs - 12k LUX @ 6"
- Video Recording – MPEG4 – RCA out, USB or 240GB HDD
- Audio – Integrated microphone and speaker
- USB – 2 x 0.5A port USB 2.0
- Operating Temperature – -30C to 60C (-22F to 140F)
- Machined military grade aluminum connectors and face plate
- 12V AC/DC adapter or internal 4hr Li-Ion battery
- Ingress Protection of Reel & Camera Head – IPx5 to 60PSI
- Sonde - 512 Hz High-power

| Controller Catalog # | Reel Compatibility | Digital Zoom | Power | Screen | Dimensions | Weight |
|---|---|---|---|---|---|---|
| KGC-12 | Only Hathorn Gas Reels and Cameras | 1X, 2X, 3X, 4X and 8X | 12V AC/ DC Adapter (included) or Internal 4hr. Li-Ion rechargeable | 1000cd/m2 (nits) | 40x30x18cm 16x12x7 inches | 10kg / 22lbs |

| Reel Catalog # | Camera Head | Rod length | Rod Size | Min. 90° Elbow | Max. Pipe Well Lit | Weight | Dimensions |
|---|---|---|---|---|---|---|---|
| KGR - 400 | 1.35" | 400ft. | 3/8" | 2" | 6" | 55lbs. | 33"x19"x16" |
| KGR - 200 | 1.35" | 200ft. | 3/8" | 2" | 6" | 45lbs | 33"x19"x16" |

## Accessories

| | |
|---|---|
| 10149 | Patch cable for gas controller to gas reel only |

THIS PRODUCT IS NOT RATED AS INTRINSICALLY SAFE AND THUS IS NOT EXPLOSION PROOF. HATHORN CORPORATION SHALL NOT BE HELD LIABLE FOR ANY DAMAGES, INCLUDING BUT NOT LIMITED TO DIRECT, INDIRECT, SPECIAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF, RESULTING FROM, OR IN ANY WAY CONNECTED TO THE USE OF THIS PRODUCT IN EXPLOSIVE ENVIRONMENTS. HATHORN ASSUMES NO RESPONSIBILITY FOR OTHER'S USE OR MISUSE OF THIS PRODUCT.

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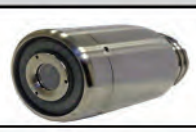
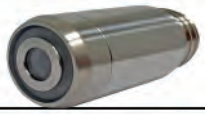
# Camera Heads

| PART NUMBER | DESCRIPTION | |
|---|---|---|
| 10114 | 1.68" Color Straight View Camera Head<br>Stainless Steel |  |
| 10115 | 1.68" Color Self-Leveling Camera Head<br>Stainless Steel | |
| 10116 | 1.68" Color Self-Leveling Camera Head Aluminum<br>Stainless Steel | |
| 10132 | 1.68" Color Straight View Camera Head Aluminum<br>Stainless Steel | |
| 10185 | 1.43" Color Straight View Camera Head<br>Stainless Steel | |
| 10139 | 1.43" Color Self-Leveling Camera Head<br>Stainless Steel |  |
| 10124 | 1.23" Color Straight View Camera Head<br>Stainless Steel | |
| 10136 | 1.23" Color Self-Leveling Camera Head<br>Stainless Steel | |
| 90234 | DrainScope, Straight View Camera Head<br>w/assembly, spring, lanyards, sonde | |
| 90393 | 1" Straight View Camera Head Stainless Steel | |
| 90356 | 7/8" Straight View Camera Head Stainless Steel | |

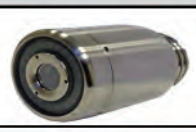
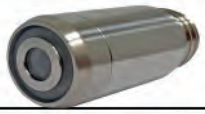
# Camera Head Skids

| PART NUMBER | DESCRIPTION | |
|---|---|---|
| 10108 | P-Trap Skid for 1.68” Camera Heads | |
| 10109 | 3” Grooved Skid for 1.68” Camera Heads | |
| 10187 | P-Trap Skid for 1.43” Straight View Camera Head | |
| 10140 | P-Trap Skid for 1.43” Self Leveling Camera Head | |
| 10160 | 3” Grooved Skid for 1.43” Self Leveling Camera Head | |
| 10123 | P-Trap Skid for 1.23” Mini Straight View Camera Head | |

# Patch Cables

| PART NUMBER | DESCRIPTION | |
|---|---|---|
| 10100 | Patch Cable for Optimum & Magnum Systems (Silver/Black) | |
| 10100BB | Patch Cable for Optimum & Magnum Systems (Black/Black) | |
| 10102 | Patch Cable for Optimum DVD/DVR Systems (Silver/Silver) | |
| 10149 | Patch Cable for Keyhole Gas Camera System (Black/Black) | |
| 10131 | Patch Cable for Old Style Sonic (Silver/Silver) | |
| 10173 | Patch Cable for Sonic Plus Systems (10 pin black / 7 pin silver) | |

# Camera Heads

| PART NUMBER | DESCRIPTION | |
|---|---|---|
| 10114 | 1.68" Color Straight View Camera Head<br>Stainless Steel |  |
| 10115 | 1.68" Color Self-Leveling Camera Head<br>Stainless Steel | |
| 10116 | 1.68" Color Self-Leveling Camera Head Aluminum<br>Stainless Steel | |
| 10132 | 1.68" Color Straight View Camera Head Aluminum<br>Stainless Steel | |
| 10185 | 1.43" Color Straight View Camera Head<br>Stainless Steel | |
| 10139 | 1.43" Color Self-Leveling Camera Head<br>Stainless Steel |  |
| 10124 | 1.23" Color Straight View Camera Head<br>Stainless Steel | |
| 10136 | 1.23" Color Self-Leveling Camera Head<br>Stainless Steel | |
| 90234 | DrainScope, Straight View Camera Head<br>w/assembly, spring, lanyards, sonde | |
| 90393 | 1" Straight View Camera Head Stainless Steel | |
| 90356 | 7/8" Straight View Camera Head Stainless Steel | |

# Locators

| PART NUMBER | DESCRIPTION | |
|---|---|---|
| 10130 | 512Hz Hathorn Locator and Case | |
| 10150 | 3-Watt Transmitter | |
| 10179 | Multi Frequency Snap Track Locator | |
| 10181 | Snap Track 3-Watt Transmitter | |

# Accessories

| PART NUMBER | DESCRIPTION | |
|---|---|---|
| 10104 | 12V Power Supply | |
| 10105 | Mounting Bracket complete with Pin & Shaft for Large & Extra Large Reels | |
| 90204 | Pin for Reel Mounting Bracket | |
| 10128 | Shaft for Controller Mounting Bracket | |

# Accessories

| PART NUMBER | DESCRIPTION | |
|---|---|---|
| 10119 | Small Brake Handle for Mini/Mid Reels | |
| 10120 | Large Brake Handle for Standard Reel | |
| 10121 | Rubber Foot for Reel | |
| 10001232 | 6” x 1-1/2” Wheel For ACE, ACE2, M2, M7 | |
| 10122 | 8” x 1-3/4” Wheel | |