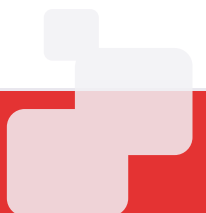


**Diamond™ Hybrid
EM/HF Premium**
Hybrid security
detection system



The Diamond™ Hybrid Premium system reduces unauthorized removal of library items by detecting the EM & RFID tags in any orientation



Diamond™ Hybrid EM/HF Premium

Hybrid security detection system

The Diamond™ Hybrid Premium system not only enhances the visual appeal but also effectively prevents unauthorized removal of library items by accurately detecting both EM and RFID tags in any orientation, ensuring the security and protection of your valuable collections.

Featuring a contemporary transparent design, the Diamond™ Hybrid Premium system combines high-density plexiglass and a robust stainless-steel construction, lending an exceptionally luxurious appearance to any library setting.

Benefits:

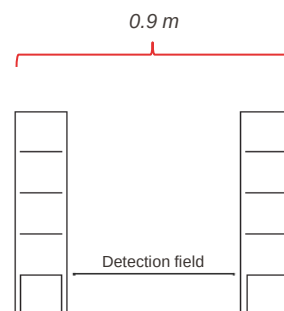
- Shrinkage reduction
- Equipped with both visual and audio alarms for immediate response
- Employs advanced EM technology and RFID technology for superior performance
- Fully digital configuration with DSP for precise and easy adjustments
- Bi-directional people counter with display for efficient foot traffic analysis
- Features remote maintenance capabilities, reducing downtime and ensuring optimal performance
- Safe for magnetic media, ensuring no damage to sensitive items
- Optional cloud connectivity for advanced data analysis
- Extended Connectivity: Multiple gate solutions are possible for better coverage
- And much more!

Applications:

- Loss prevention at libraries

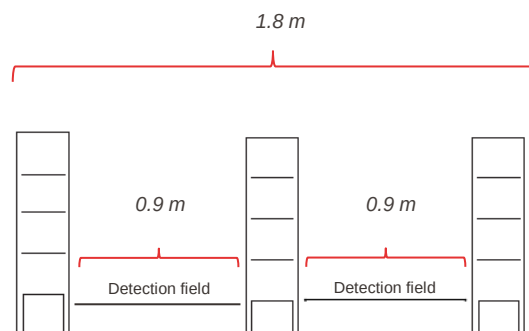
Detection range

System 2



Detection ranges measured under low electrical noise conditions. Detection ranges under higher electrical noise conditions may decrease. For the Single System 2, there is comprehensive detection between the antennas, and each antenna radiates detection on both sides. Please note that each antenna must be connected to a shared external controller.

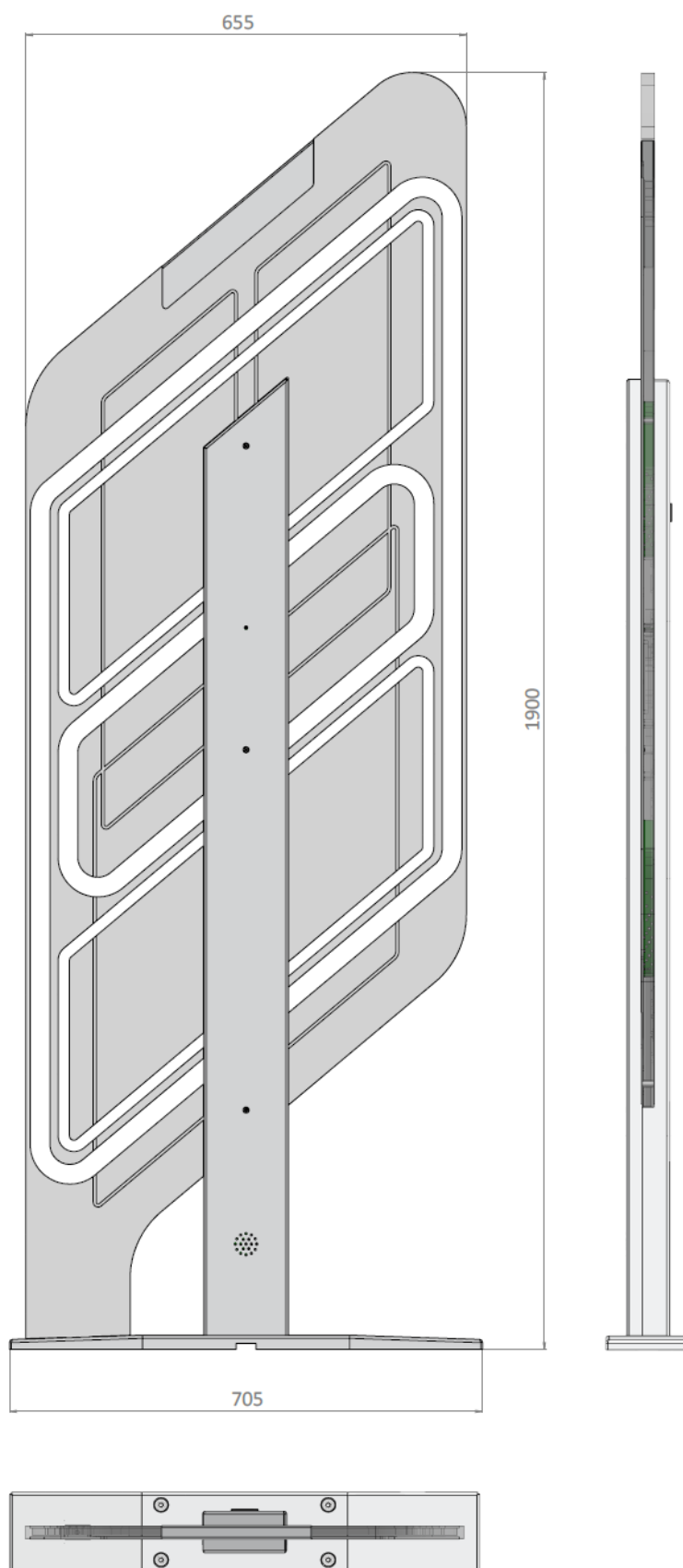
System 3



Detection ranges measured under low electrical noise conditions. Detection ranges under higher electrical noise conditions may decrease. For the Dual System 3, there is comprehensive detection between the antennas, and each antenna radiates detection on both sides. Please note that each antenna must be connected to a shared external controller.

Diamond™ Hybrid Premium

System dimensions



Diamond™ EM Premium

Specifications

Features

Fully digital configuration (DSP)	●	Remote maintenance	●
Visual and audio alarm	●	Multiple gate solutions are possible	●
Advanced electromagnetic EM technology	●	Bi-directional people counter with display	●
Advanced RFID technology	●	Cloud connectivity for data analysis	○

● Included ○ Optional

Technical specs

Category	Brand new
Width (antenna)	655 mm
Height (antenna)	1900 mm
Depth (antenna)	20 mm
Width (base)	705 mm
Height (base)	20 mm
Depth (base)	120 mm
Weight	37.5 kg
Interface	CAN, Ethernet (TCP/IP) via the USB/Ethernet to CAN bridge tool (optional)
Material (panel)	High density clear PMMA 20mm plexiglass, weather and UV resistant, 92% light transmission
Material (base)	Stainless steel
Power	120 V (necessary power cable included)
Operating temperature	Up to 58°C / 185°F

Detection range *Depending on the type and size of the tag

Single System 2	Up to 0.90 m
Dual System 3	Up to 1.80 m

EM / RFID specifications

Operating frequency	366 Hz / 13.56 MHz
Technology	Advanced electromagnetic EM / RFID technology
Supported tags	• ISO 15693 RFID tags, NXP SLI and NXP SLI-X • All APTQ EM tags and various EM tag suppliers

Product reference

SKU	HYB-DPS-N
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With over 25 years of experience, APTQ specializes in electronic systems in Canada. Our team offers a range of quality products for loss prevention, inventory management, and cross-selling. We provide the best technologies available on the market, combined with our recognized expertise in the field, to ensure an optimal experience in every respect.

1 866-659-7880
info@aptq.ca
www.aptq.ca

