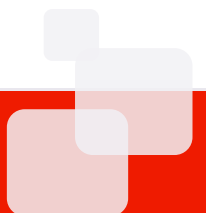# Quartz RFID
## RFID security detection system

The Quartz RFID system reduces
unauthorized removal of library items by detecting the
RFID labels in any orientation.

# Quartz RFID
## RFID security detection system

The Quartz RFID system effectively curbs unauthorized removal of library materials by accurately detecting RFID labels in any orientation, ensuring the security and preservation of valuable collections.

Featuring a sleek, transparent solid-core plexiglass plate paired with a robust stainless-steel powder-coated base construction, the Quartz RFID system epitomizes the ideal solution for contemporary library environments.

## Specifications

**Detection**:
Depending on environment and the type & size of tag
• Single aisle width System 2:  up to 1.60 meter
• Dual aisle width System 3  :  up to 3.20 meter

\* Detection of items depends on environmental factors and on the type and size of label.
Detection range and rates will always be reduced for CD/DVD media that contains metallic elements. Libraries that wish to get as close to 100% detection, should accept less distance between gates.

**Features**:
• Fully digital configuration (DSP)
• Visual and audio alarm
• Advanced radio frequent identification (RFID) technology
• Remote maintenance
• Magnetic media safe
• Multiple gate solutions are possible

**RFID specification**:
Operating frequency: 13,56 MHz.
Transmitting power: 3 W
Supported tags: ISO 15693, NXP SLI, NXP SLI-X, NXP SLI-X2

**Certifications**: CE / EMC

**Option:** bi-directional people counter with display

**Interface**:
CAN, Ethernet (TCP/IP) via the USB/Ethernet to CAN bridge tool (optional).

**Material**:
Panel: whole core PMMA 15 mm plexiglass, weather and UV resistant,
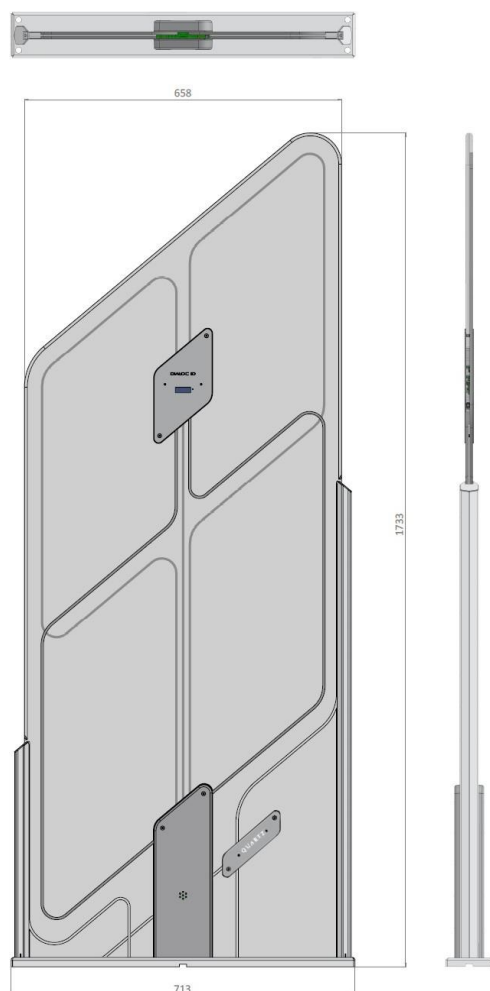92% light transmission
Base : Stainless steel powder coated

**Dimensions**:
Antenna:  . .657,5 x 15 x 1731 mm (w x d x h)
Base: . . . . . . . .  709 x 96 x 10 mm (w x d x h)

**Weight**: 22 kg

**Model number:** QuaRFIDSyst-N