



**PANASONIC**

# Panasonic 3406 Fireray 3000

Product code 41604 · Fire alarm systems > Field devices > Beam detectors

End-to-end infrared beam detector for smoke detection in large and high spaces. The system comprises a transmitter, a receiver and a controller installed at low level.

- Measuring distance 5–120 m
- Suitable for narrow lines of sight and reflective spaces
- Controller with LCD display, max. 2 detectors
- Laser alignment, a single-person job
- Light Cancellation technology reduces false alarms
- EN 54-12, VdS G212034



## Product description

Panasonic 3406 is the Fireray 3000, an end-to-end infrared beam detector. It provides cost-effective protection for large, open spaces with high ceilings and suits sites where maintaining ceiling-mounted smoke detectors would be difficult. The detector is also suitable for spaces where the line of sight for the infrared beam is narrow or where structures have reflective surfaces. The compact heads also suit architecturally demanding and historic buildings.

The transmitter sends an infrared beam to the receiver, and when smoke weakens the signal below the set threshold, the system gives a fire alarm. The sensitivity (35–60%), the alarm and fault delay (2–30 s) and other settings are set on the LCD display of the controller. Light Cancellation technology reduces false alarms caused by sunlight and artificial light, and contamination is compensated automatically. Each detector has its own fire and fault relay.

## Installation

The measuring distance is 5–120 m. The transmitter and receiver are aligned with fine adjustment wheels (10° of adjustment in each plane), and the laser alignment in the receiver allows installation as a single-person job from the controller or the receiver. There is a two-wire connection between the controller and the receiver, and the controller can also power the transmitter. Two detector pairs can be connected to one controller. Accessories available include protective cage 1000-019, anti-condensation heater 3000-204, flush mounting plate 3000-202 and commissioning and maintenance kit 1150-000.

## Technical data

|               |                                                     |
|---------------|-----------------------------------------------------|
| Product code  | 41604                                               |
| Manufacturer  | Panasonic                                           |
| Product group | Fire alarm systems > Field devices > Beam detectors |
| Weight        | Transmitter/receiver 207 g, control unit 606 g      |

|                                 |                                                                         |
|---------------------------------|-------------------------------------------------------------------------|
| Dimensions                      | Transmitter/receiver 77 × 78 × 161 mm, control unit 124 × 203 × 71.5 mm |
| Operating temperature           | -10...+55 °C                                                            |
| IP rating                       | IP54 (control unit)                                                     |
| EN 54 approval                  | EN 54-12                                                                |
| VdS approval                    | G212034                                                                 |
| CPR                             | 0786-CPR-21162                                                          |
| Material                        | Polycarbonate (UL94 V2)                                                 |
| Operating voltage               | 12–36 V DC                                                              |
| Current consumption (quiescent) | Control unit 14 mA, transmitter 8 mA                                    |
| Humidity                        | 93% RH, non-condensing                                                  |
| Beam range                      | 5–120 m                                                                 |
| Relays                          | VFCO 2 A / 30 V DC, fire and fault per detector                         |

## Documents

The manufacturer's original documents can be downloaded from the product page (QR code at the top of this sheet).

**Certificate:** EU declaration of conformity

**Certificate:** VdS approval, no. G 212034

**Certificate:** CPR certificate of constancy of performance, no. 0786-CPR-21162

**Certificate:** Declaration of performance (DoP), no. CPR-DOP-301

**Product brochure:** Panasonic 3406 Fireray 3000

**Datasheet:** Panasonic 3406 Fireray 3000

**Installation guide:** Panasonic 3406 Fireray 3000

### Request a quote or ask for more information

Sales +358 40 668 7641 · [myynti@pap.fi](mailto:myynti@pap.fi) · Mon–Fri 8 am – 4 pm (Finnish time)

Up-to-date information and documents: [pap.fi/en/tuote/panasonic-3406-fireray-3000/](https://pap.fi/en/tuote/panasonic-3406-fireray-3000/)