



NB-CPR 305/2011 EU

Nr. 1415

Product certification body accredited by NAH  
under No NAH-6-0057/2019/K.

ÉMI NON-PROFIT LIMITED LIABILITY COMPANY FOR QUALITY  
CONTROL AND INNOVATION IN BUILDING  
ENGINEERING SERVICES DIRECTORATE  
CONFORMITY ASSESSMENT CENTER  
CERTIFICATION OFFICE

H-2000 Szentendre, Dózsa György út 26. Postal address: H-2001 Szentendre, Pf : 180.  
Phone: +36 (26) 502 300 E-mail: tanusitas@emi.hu WEB: <http://www.emi.hu>

## EC-CERTIFICATE OF CONSTANCY OF PERFORMANCE

1415–CPR–109–(C-2/2022)

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

### Mobotix M16B Thermal TR, M73 and S74 camera - flame detector

with performance shown in the annex as page 3/3 of this certificate  
and with intended use: **Fire safety** and

produced by

**MOBOTIX AG**

Kaiserstrasse, 67722 Langmeil, Germany

and produced in the manufacturing plant

**MOBOTIX AG**

Kaiserstrasse, 67722 Langmeil, Germany

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard **EN 54-10:2002, EN 54-10:2002/A1:2005** under system (1) are applied and that

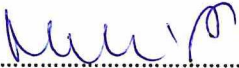
***the product fulfils all the prescribed requirements set out above.***

This certificate was first issued on 13.06.2022 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

***This certificate consists of 3 pages!***

Dated at Szentendre, 13.06.2022



  
.....  
Ágnes Molnár  
Head of Certification Office



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## EC-CERTIFICATE OF CONSTANCY OF PERFORMANCE

1415-CPR-109-(C-2/2022)

### ANNEX

| Type:                            | M16B Thermal TR                                                                          |               |
|----------------------------------|------------------------------------------------------------------------------------------|---------------|
| Order code:                      | Mx-M16TB-R079                                                                            | Mx-M16TB-R119 |
| Horizontal/vertical image angle: | 45°/35°                                                                                  | 17°/13°       |
| Thermal image sensor:            | Uncooled microbolometer, 336 x 252 pixels,<br>Pixel Pitch 17 µm, IR range 7,5 to 13,5 µm |               |
| Power consumption:               | 9 W                                                                                      |               |
| Interfaces:                      | Ethernet 100BaseT(MxRJ45)/MxBus/USB                                                      |               |
| Ambient temperature range:       | -40...+60°C                                                                              |               |
| IP Class                         | IP66                                                                                     |               |
| IK Class                         | IK08                                                                                     |               |
| Interface RS232:                 | with MX-232-IO-Box                                                                       |               |
| Dimensions (height×width×depth): | 210×158×207 mm                                                                           |               |
| Weight:                          | 1320 g                                                                                   |               |
| Housing:                         | PBT-30GF, colour: white                                                                  |               |
| Available video codecs:          | MxPED/MJPEG/H.264                                                                        |               |

| Type:                            | M73                                                                                                | S74                 |
|----------------------------------|----------------------------------------------------------------------------------------------------|---------------------|
| Thermal image sensor:            | Uncooled microbolometer, CIF 336 x 256, VGA 640×480<br>pixels, Typ. 50 mK, IR range 7,5 to 13,5 µm |                     |
| Power consumption:               | 25 W                                                                                               |                     |
| Ambient temperature range:       | -40...+65°C                                                                                        |                     |
| IP Class                         | IP66                                                                                               |                     |
| IK Class                         | IK10                                                                                               |                     |
| Interfaces:                      | Ethernet 1000BaseT / miniUSB, USB2.0 High-Speed                                                    |                     |
| Dimensions (height×width×depth): | 228×153×232 mm                                                                                     | 36×232×110+58×50 mm |
| Weight:                          | 2222 g                                                                                             | 103+581+1216 g      |
| Housing:                         | Aluminium, PBT-30GF                                                                                |                     |
| Available video codecs:          | H.264, H265 with triple streaming/MxPEG+/MJPEG                                                     |                     |

Dated at Szentendre, 13.06.2022







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### ANNEX

| Type | Order code                             | Sensor module                  |
|------|----------------------------------------|--------------------------------|
| M73  | Mx-O-M73TB-336R100                     | CIF Thermal Radiometry 45°×35° |
|      | Mx-O-M73TB-336R150                     | CIF Thermal Radiometry 25°×19° |
|      | Mx-O-M73TB-336R280                     | CIF Thermal Radiometry 17°×13° |
|      | Mx-O-M73TB-640R050                     | VGA Thermal Radiometry 90°×69° |
|      | Mx-O-M73TB-640R080                     | VGA Thermal Radiometry 69°×56° |
|      | Mx-O-M73TB-640R100                     | VGA Thermal Radiometry 45°×37° |
|      | Mx-O-M73TB-640R150                     | VGA Thermal Radiometry 30°×26° |
| S74  | Mx-O-M7SB-336RP100, Mx-O-M7SB-336RS100 | CIF Thermal Radiometry 45°×35° |
|      | Mx-O-M7SB-336RP150, Mx-O-M7SB-336RS150 | CIF Thermal Radiometry 25°×19° |
|      | Mx-O-M7SB-336RP280, Mx-O-M7SB-336RS280 | CIF Thermal Radiometry 17°×13° |
|      | Mx-O-M7SB-640RP050, Mx-O-M7SB-640RS050 | VGA Thermal Radiometry 90°×69° |
|      | Mx-O-M7SB-640RP080, Mx-O-M7SB-640RS080 | VGA Thermal Radiometry 69°×56° |
|      | Mx-O-M7SB-640RP100, Mx-O-M7SB-640RS100 | VGA Thermal Radiometry 45°×37° |
|      | Mx-O-M7SB-640RP150, Mx-O-M7SB-640RS150 | VGA Thermal Radiometry 30°×26° |

| Essential characteristics                                                                                         | EN 54-10 Clause | Performance |
|-------------------------------------------------------------------------------------------------------------------|-----------------|-------------|
| Nominal activation conditions / Sensitivity, Response delay (response time) and Performance under fire conditions | 4.2, 5.2 to 5.6 | Passed      |
| Operational reliability                                                                                           | 4.3 to 4.9      | Passed      |
| Tolerance to supply voltage                                                                                       | 5.16            | Passed      |
| Durability of operational reliability and response delay; temperature resistance                                  | 5.7, 5.8        | Passed      |
| Durability of operational reliability, vibration, resistance                                                      | 5.12 to 5.15    | Passed      |
| Durability of operational reliability; humidity resistance                                                        | 5.9, 5.10       | Passed      |
| Durability of operational reliability; corrosion resistance                                                       | 5.11            | NPD         |
| Durability of operational reliability, electrical stability                                                       | 5.17            | Passed      |

Dated at Szentendre, 13.06.2022

