ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT
TÜV SÜD

America

CERTIFICATE

No. U8 055570 0018 Rev. 01

Holder of Certificate: **Motion Analysis Corporation**
6085 State Farm Drive, Suite 100
Rohnert Park CA 94928
USA

Certification Mark:

C US

Product: **Other IT and business equipment**

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited Certification body.

Test report no.: 095-72115291102-100

Valid until: 2020-12-20

Date, 2019-04-30

(Joseph Janeliunas)

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Model(s):

Raptor-12HS Motion Capture System
Raptor-12 Motion Capture System
Raptor-4 Motion Capture System
Raptor-E Motion Capture System
Raptor-H Motion Capture System
Osprey Motion Capture System
Kestrel 2200 Motion Capture System
Kestrel 4200 Motion Capture System
Kestrel 300 Motion Capture System
Kestrel 1300 Motion Capture System
Kite Motion Capture System

Brand Name: **Motion Analysis**

Brand:

Tested according to:

CAN/CSA-C22.2 No. 60950-1:2007/A2:2014-10
UL 60950-1:2007/R:2014-10
EN 60950-1:2006/A2:2013

Production Facility(ies): 056722

Parameters:

Rated Input: 100-240 VAC, 50/60 Hz, (Power Supply box unit: HCP-8 or ES-8XP)
110-120 VAC, 210-230 VAC, 50/60 Hz, (power supply box unit: TS-8-PRO)
48 VDC (All Camera Systems)
Rated Current: 4-2 A (Power Supply: HCP-8)
1 A (TS-8-PRO)
2A (ES-8XP)
48 VDC, 1.0 A Max: Raptor-4 Digital Camera, Raptor-E Digital Camera, Raptor-H, Digital Camera, Raptor-12HS Digital Camera, Raptor-12 Digital Camera
48 VDC, 0.4 A Max: Osprey Digital Camera, Kestrel 300 Digital Camera, Kestrel
48 VDC, 0.5 A Max: Kestrel 1300 Digital Camera, Kestrel 2200 Digital Camera, Kestrel 4200 Digital Camera, Kite Digital Camera
Protection Class: I (Power Supply); III (Digital Camera)
LED Classification: Exempt Group
Temperature, Ambient: 40 °C Maximum

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Model differences:
All models are powered either by either the HCP-8, TS-8-PRO, or ES-8-XP
Raptor-12 and Raptor-12HS have the same resolution but have a different full-field frame rate.
The Kite is made by putting a housing on a Kestrel 4200 that allows it to mount to a studio camera and it tracks from markers above it, versus all the other cameras track movement markers horizontally in front.
Kestrel 300 is a 0.3 Megapixel Camera
Kestrel 1300 is a 1.3 Megapixel Camera
The Y Split interconnecting cables is used on all the power supply units except the TS-8-Pro or ES-8-XP.
All Raptor cameras are similar in size and LEDs in the ring light, while Osprey Digital Camera, Kestrel 4200 Digital Camera and Kestrel 2200 have smaller size and fewer LEDs in the ring light.

General product information:
The Motion Capture System offers the industry's premier 3D optical motion capturing functions.
The Motion Capture Systems are digital camera systems included:

- A power supply box unit (PSU)
- Connection Cable (15.3 m / 50 ft long),
- 8 digital cameras using system power, and
- a customer provided network switch (model D-link DGS-1016D, Cisco SG100-16, Trendnet TEG-S16Dg.)

The network switch which is not part of the evaluation per manufacturer's request. It is treated as a support unit for the EUT's operation.
The Raptor Digital Camera signal goes directly to the tracking computer via the Ethernet connection. The signal processing is embedded in the camera. All these camera units are SELV with metal enclosures.