AIDirections is proud to offer the Pain Detection Solution both for purchase, as well as through a subscription service.
INTRODUCTION:
The ability for a health care provider to manage pain is important for patient wellness. To address this issue, the Pain Detection Tool detects, monitors, and verifies patient pain levels against internationally accepted scales through automated computer vision.

APPLICATIONS:
The Pain Detection Tool can be used in a variety of scenarios:

- Use in a hospital or clinical setting with patients unable to communicate pain (e.g. unconsciousness, language barriers, or physical/developmental limitations)
- Use in a hospital or clinical setting to ensure that the pain being described by a patient is done so correctly
- Use in the home for telemedicine purposes (e.g. in a mobile phone connected to a doctor)*

*The Pain Detection Tool for home use is currently under development, with collaborative efforts from several project partners.

ADVANTAGES OF THE AIDIRECTIONS’ PAIN DETECTION TOOL:

- Confidentiality is maintained: no facial images or any other personal identifiable information is recorded except in agreed clinical settings. Videos are analyzed by AIDirections’ artificial intelligence (AI) only; no human will view facial images. Full compliance with General Data Protection Regulations (GDPR) is guaranteed.
- No information leaves the hospital or home, unless permission is otherwise granted.
- The Pain Detection Solution can be used in a variety of scenarios.
- Results can be accessed visually, or inputted into an electronic medical record.
- AIDirections’ AI technologies do not require any implementation of additional infrastructure - a normal camera is sufficient for real-time pain detection and monitoring.
- Interfaces support well accepted international standards, such as OpenAPI, ONVIF and DICOM.

ACCURACY:
The accuracy of the Pain Detection Tool is close to that of a well-trained medical professional.

SUPPORT:
Ongoing support to implement latest research results is part of AIDirections’ offerings.