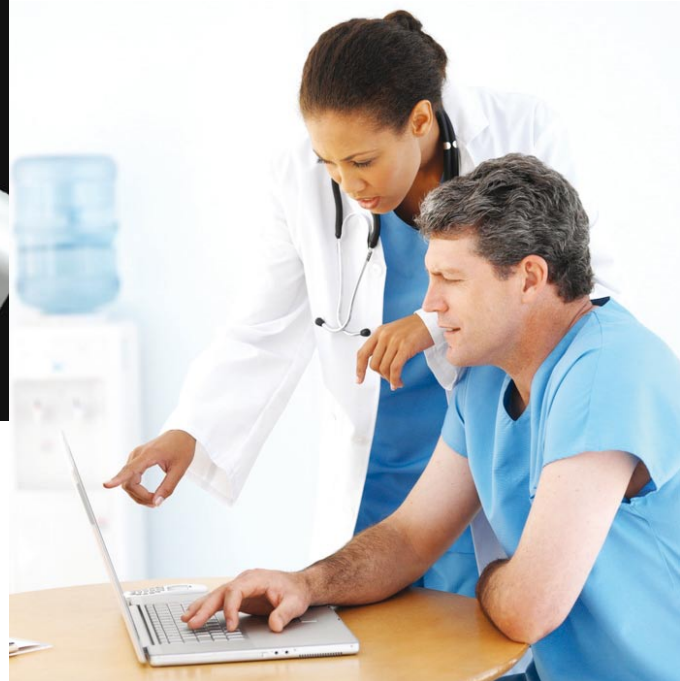


BTS VIXTA

Digital video-system in support of clinical analysis



BTS VIXTA

Digital video-system in support of clinical analysis

BTS Vixta is a digital system for video capturing and recording, developed to provide qualitative information in support of the clinical analysis. Complementary to kinetics, kinematics and EMG motion analysis, even without supplying numerical data, BTS Vixta creates a permanent motion video archive of the examined subject.

The system enhances the analysis by permitting:

- frame by frame correlation of the objective evaluation to the acquired data coming from force platforms, EMG, optoelectronic systems and other devices
- examination of subject movement simultaneously from different points of view
- a stored archive of the evolution of motor performance providing evidence of the improvements and of the efficacy of the treatment during the time

BTS Vixta employs high-resolution digital cameras to capture the subject from different perspectives. It manages up to four cameras simultaneously, synchronously to kinematic and analogic signals, compressing the different video streams in real time.

The integrated software allows mixing the video tracks coming from the four cameras according to a view composition layout defined by the user.





BTS Bioengineering

Video acquisition of up four cameras simultaneously

BTS Vixta can control up to four cameras simultaneously: 3 cameras assure the subject's observation in the three main anatomic planes (frontal, sagittal and transversal), the fourth camera can be used to zoom to crucial areas (eg. the foot-strike on platform, a detail about the loading foot) or to record from underneath with a transparent platform contact surface.

Recording synchronized with motion analysis systems, EMG and force platforms

Seamless integration is guaranteed with all BTS motion analysis and electromyography products. The video recordings and the acquired signals of the examined subject are displayed simultaneously on the screen, in real time, frame by frame.

Mixing Option and reproduction in one video

Allows for the display of four views in a single video. Clinical examination and the creation of the multimedia reports are made easy.

Video storage

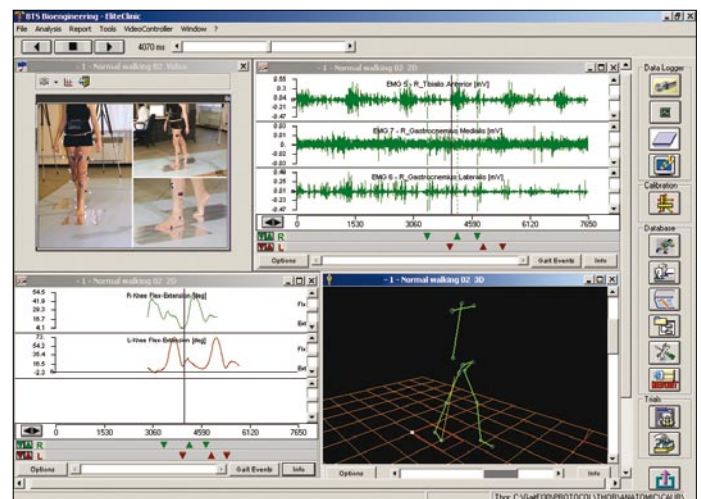
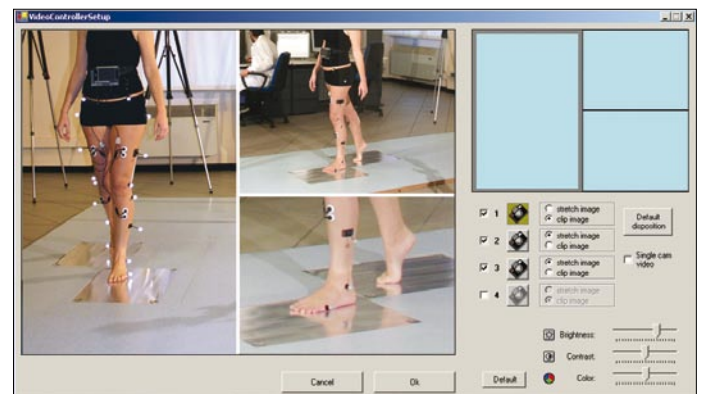
The possibility to store the video file of each camera or the video file obtained from the mixing defined by the user.

Snapshot

The system allows for the acquisition of high resolution (3.1 mega pixel) single images for complete patient information.

BTS Vixta

Cameras configuration panel



BTS Elite Clinic

Simultaneous visualization of the video recordings synchronized with EMG signals and kinematics data





BTS VIXTA

Technical features *

Camera	Up to 4 digital cameras for the simultaneous acquisition of the video
Lenses	Interchangeable, CS-Mount compatible
Acquisition frequency	25/30 frame/second
Video resolution	640x480 pixel
Snapshot resolution	3.1 megapixel
Power supply	POE (Power Over Ethernet)
Regulations	Brightness, contrast, exposure, color saturation
Acquisition	Stand-alone or synchronized with BTS motion analysis and EMG systems, force platforms
Data transmission	By IP address
Synchronization	Based on data block timestamp
BTS software compatibility	Myolab Clinic Myolab Elite Clinic Biomech Smart Analyzer Digivec



* Technical characteristics are subject to change without prior notice.

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