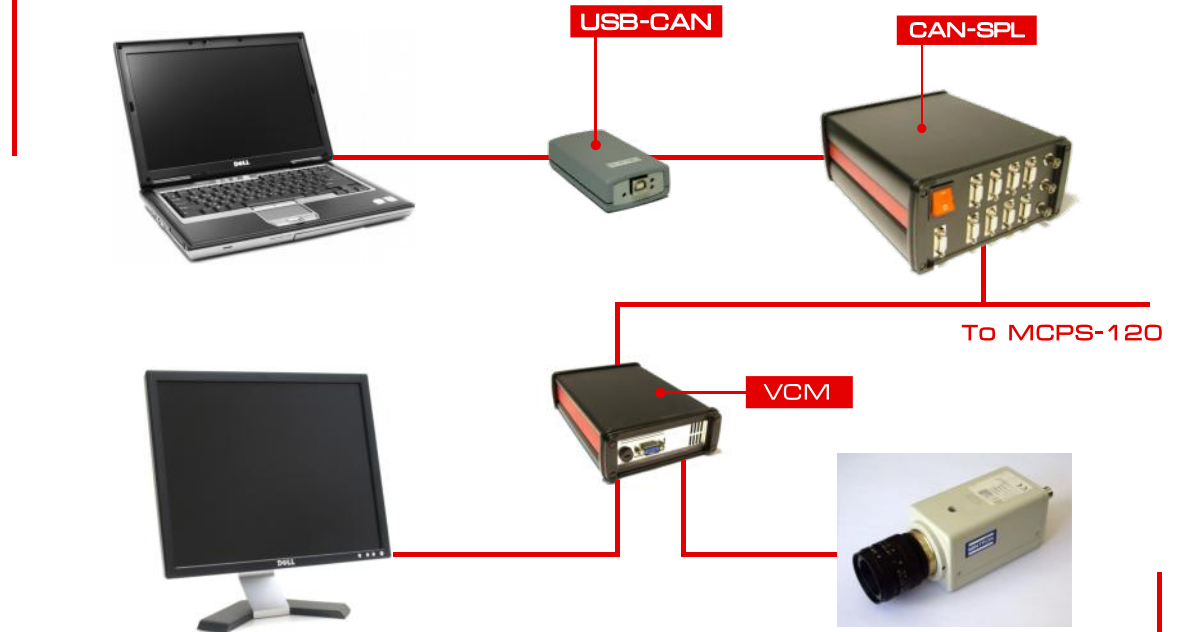


STRUCTURE

System provides main metrological tasks solving while building, adjustment and testing of pulse solid-state lasers



FUNCTION

This system was built for light field registration, its visualizing and main field parameters obtaining.

System provides laser diode bars and matrix adjustment, used for laser active element pumping, and laser resonation adjustment.

Special operation modes, which provide laser radiation dynamic parameters evaluation, are foreseen.

ESSENTIAL FEATURES

Common CAN provides system integration in a complex for realization of semiconductor pumping in a solid state lasers

-Light field registration during registration period occurs with 20ms period.

-Start point of time and external event (pumping pulse forming, laser shutter switching, etc.) synchronizes with high precision (100ns)

-Registered light field screening happens momentary on monitor with VGA input.

-Registered data is transmitted to a control PC via USB-CAN commutation module for logging and post processing.

-Main laser radiation field parameters evaluates with counts sampling of 25Hz.

APPLICATION

-Solid-state laser constructions creating

-Laser radiation generation processes researches, includes radiation parameters long time stability researches

-Laser installation and adjustment metrological and technological providing

-Laser radiation parameters evaluation automatic complex construction

SYSTEM ELEMENTS

CAN provide powering
and data
communication of the
cooperative modules

CAN - PC commutation module

- ISO-11898
- USB1.1/2.0



USB-CAN

+24V power supply
and CAN splitter

- ISO-11898



CAN-SPL

TV-signal registration and
synchronizing module

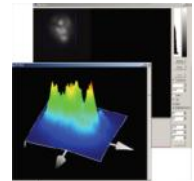
- ISO-11898



VCM

System control software

- Windows 2000
- Windows XP



VCM CONTROL

Contacts

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